SAVUNMA VE HAVACILIK SANAYİ İHRACATÇILARI BİRLİĞİ

Sayı: 58224147-TİM.OAİB.26.ARG4.2026/166-11355 Ankara, 18/11/2026
Konu: Brezilya Multi Kalibre Tüfek İhalesi

Sayın Üyemiz,

T.C. Savunma Sanayii Başkanlığı'ndan alınan yazıda, Brezilya'nın Alagoas Eyaleti tarafından Süreç Yönetimi Modernizasyon Ajansı (AMGESP) aracılığıyla, kamu kurumlarının ihtiyaçlarının karşılanması amacıyla multi kalibreli tüfek alımına yönelik bir ihale düzenleneceği bildirilmekte olup ihale bilgilerine Ek'te yer alan dokümandan ulaşılabilmektedir.

Söz konusu ihaleye üye firmalarımızca katılım sağlanmasının Brezilya ile savunma sanayii iş birliğimiz bakımından faydalı olabileceği değerlendirilmektedir.

Bilgileri ve gereği rica olunur.

Musa DEMİR
Genel Sekreter

EK: İhale Dokümanı (163 Syf.)

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Musa Demir tarafından 5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır.

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INVITATION TO BID

PROCUREMENT No. 64/2026

ELETRÔNIC BIDDING No. 90.287/2026

Administrative Process No. E:04105.0000001457/2026

It is hereby disclosed to the public, that the ***AGÊNCIA DE MODERNIZAÇÃO DA GESTÃO DE PROCESSOS - AMGESP***, alongside the ***COMISSÃO PERMANENTE DE LICITAÇÃO*** designated by the ordinance AMGESP **No. 279/2026,** published in the *Diário Oficial de Alagoas* in **August 20th of 2026**, located in Walter Ananias Avenue, No. 35A - Jaraguá, ZIP code: 57025-510 - Maceió/AL, will accomplish the bidding, for price registry, in the modality of COMPETITIVE BIDDING – '*Pregão*' Modality, electronically, in the terms of Brazilian Law No. 14.133, of 2021, and other applicable legislation and according to the conditions established in this invitation to bid.

Total value of the contract: The estimated cost of the procurement is of a confidential nature

Public session date: 27/11/2026 (BR)

Time: 09:00 a.m. - (Brasília time)

Evaluation Criteria: Lowest price, per item.

Bidding Mode: Open.

Preferences for Microenterprises (ME), Small Enterprises (EPP), and Equivalent Companies: Yes

Location: *Sistema de Compras do Governo Federal (www.gov.br/compras)*

1. THE PURPOSE

1.1 The purpose of this bidding process is the price registration for future and eventual **ACQUISITION OF AMMUNITION,** according to the conditions, quantities, and requirements established in this invitation to bid and its annexes.

1.2 The bidding process will be divided into items, according to the chart in the Term of Reference, allowing bidders to participate in as many items as they are interested in.

2. PRICE REGISTRATION

2.1. The rules regarding the managing and participating entities, as well as any adhesions, are those set forth in the draft Price Registration Minutes.

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3. PARTICIPATION IN THE BIDDING PROCESS

3.1. Interested parties may participate in this Competitive Bidding if they are previously registered in the Unified Supplier Registration System (*SICAF- Sistema de Cadastramento Unificado de Fornecedores*) and in the Federal Government Procurement System (*Sistema de Compras do Governo Federal)(*www.gov.br/compras).

3.1.1. Interested parties must meet the registration requirements in SICAF by the third business day prior to the scheduled date for proposal submission.

3.2. The bidder is solely and formally responsible for transactions made on their behalf, assumes their proposals and bids as firm and true, including actions performed directly or through their representative, excluding the liability of the system provider or the contracting agency for any damages arising from misuse of access credentials, even by third parties.

3.3. It is the registrant's responsibility to verify the accuracy of their registration data in the systems mentioned in the previous item and to keep them updated with the responsible authorities, promptly correcting or amending the records upon identifying any inaccuracies or when the information becomes outdated.

3.4. Failure to comply with the provisions of the previous item may lead to disqualification during the qualification phase.

3.5. For the items identified as 'ME/EPP RESERVED QUOTA', please be advised that they form part of the reserved quota for micro-entities and small businesses, as provided for in Art. 48, III, of Supplementary Law No. 123, of December 14, 2006."

3.6 Preferential treatment will be granted to microenterprises, small businesses, cooperatives as defined in Article 16 of Brazilian Law No. 14,133 of 2021, and individual microentrepreneurs (MEI), within the limits established by Brazilian Complementary Law No. 123 of 2006.

3.7. **The following are prohibited from participating in this bidding process:**

3.7.1. Those who do not meet the conditions specified in this invitation to bid and its annexes;

3.7.2. The author of the preliminary design, basic project, or executive project, whether individual or corporate, when the bidding concerns services or supply of goods related to them;

3.7.3. A company, individually or in consortium, responsible for preparing the basic or executive project, or a company where the project author is a director, manager, controller, shareholder, or holds more than 5% (five percent) of the voting capital, technical manager, or subcontractor, when the tender process concerns services or supply of goods necessary for it;

3.7.4. Individuals or legal entities that are already prohibited from participating in the tender process due to sanctions imposed;

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3.7.5. Those with technical, commercial, economic, financial, labor, or civil ties with the contracting agency's management or public agents involved in the bidding or contract oversight, or who are their spouse, partner, or relative up to the third degree;

3.7.6. Parent, subsidiary, or affiliated companies, as defined by Brazilian Law No. 6,404 of December 15, 1976, competing against each other;

3.7.7. Individuals or legal entities convicted in the last 5 (five) years for child labor exploitation, subjecting workers to conditions analogous to slavery, or hiring adolescents in prohibited situations under labor law;

3.7.8. Public agents of the contracting agency;

3.7.9 Non-Governmental Organizations of Public Interest (OSCIPs) acting in this capacity;

3.7.10. No public official from the contracting agency or entity, whether directly or indirectly, shall participate in the bidding process or in the execution of the contract. Any circumstances that may give rise to a conflict of interest, during or after holding the position or employment, must be observed in accordance with the relevant legislation, as set out in paragraph 1 of Article 9 of Brazilian Law No. 14,133/2021.

3.8. The prohibition in item 3.7.4 also applies to a bidder acting on behalf of another individual or entity to circumvent the effectiveness of a sanction imposed, including its parent, subsidiary, or affiliated company, provided the illicit act or fraudulent use of the bidder's legal personality is duly proven.

3.9. At the discretion of the Administration and exclusively under its service, the author of the projects and the company referred to in items 3.7.2 and 3.7.3 may participate in supporting the planning activities of the procurement, execution of the bidding process, or contract management, provided they are under the exclusive supervision of public agents of the contracting agency.

3.10. Companies within the same economic group are equated to the authors of the project.

3.11. The provisions in items 3.7.2 and 3.7.3 do not prevent the bidding or contracting of services that include the preparation of the basic and executive projects as the Contracted Party’s responsibility in integrated contracts, and the executive project in other execution regimes.

3.12. In bidding and contracting under projects and programs partially financed by official foreign cooperation agencies or international financial organizations with resources from the financing or national counterpart, individuals or legal entities listed as sanctioned by these entities or declared unfit under Brazilian Law No. 14,133 of 2021 are prohibited from participating.

3.13. The prohibition in item 3.7.7 extends to third parties assisting in the contracting process as part of the support team, specialized professionals, or employees or representatives of companies providing technical advisory services.

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4. SUBMISSION OF PROPOSAL AND ELIGIBILITY DOCUMENTS

4.1. In this tender process, the eligibility phase will follow the phases of proposal submission, bidding, and evaluation.

4.2. Bidders shall submit, exclusively via the electronic system, their proposals with the price or discount percentage, according to the evaluation criteria set forth in this invitation to bid, by the date and time established for the public session opening.

4.3. If the eligibility phase precedes the phases of proposal submission, bidding, and evaluation, bidders shall simultaneously submit, within the timeframe and manner specified in the previous item, the eligibility documents and the proposal with the price or discount percentage, in compliance with items 7.1.1 and 7.12.1 of this invitation to bid.

4.4. Upon registering the initial proposal, the bidder shall declare, in the appropriate field of the system, that:

4.4.1. they are aware of and agree with the conditions set forth in the invitation to bid and its annexes, and that the submitted proposal encompasses all costs to comply with labor rights guaranteed by Federal Constitution of Brazil, labor laws, infralegal norms, collective labor agreements, and current terms of conduct adjustment at the time of definitive submission, and that they fully meet the qualification requirements defined in the invitation;

4.4.2. they do not employ minors under 18 years old in night, dangerous, or unhealthy work, and do not employ minors under 16 years old, except for minors from 14 years old as apprentices, in accordance with Article 7, XXXIII, of Brazilian Constitution;

4.4.3. they do not have, within their production chain, employees performing degrading or forced labor, in accordance with items III and IV of Article 1 and item III of Article 5 of the Federal Constitution of Brazil;

4.4.4. It complies with the job reservation requirements for people with disabilities and for people rehabilitated by Social Security, as provided for by law and other specific regulations.

4.5. A bidder organized as a cooperative must also declare, in the appropriate field of the electronic system, that they meet the requirements established in Article 16 of Brazilian Law No. 14,133 of 2021.

4.6. A supplier classified as a microenterprise, small business, or cooperative society must also declare, in the appropriate field of the electronic system, that they meet the requirements established in Article 3 of Brazilian Complementary Law No. 123 of 2006, being eligible for the favorable treatment established in Articles 42 to 49, in compliance with paragraphs 1 to 3 of Article 4 of Brazilian Law No. 14,133 of 2021:

4.6.1. in the item exclusive for participation of microenterprises and small businesses, marking the "no" field will prevent progression in the bidding for that item;

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4.6.2. in items where participation is not exclusive to microenterprises and small businesses, marking the "no" field will only result in the bidder not having the right to the favorable treatment provided in Brazilian Complementary Law No. 123 of 2006, even if they are a microenterprise, small business, or cooperative society.

4.7. Falsifying the declaration referred to in items 3.4 or 3.5 will subject the bidder to the sanctions provided by Brazilian Law No. 14,133 of 2021 and this invitation to bid.

4.8. Bidders may withdraw or replace their proposal or, if the eligibility phase precedes the phases of proposal submission, bidding, and evaluation, the eligibility documents previously submitted in the system, up to the opening of the public session.

4.9. There will be no classification order in the phase of proposal and eligibility document submission by the bidder; this will occur only after the procedures of opening the public session and the bidding phase.

4.10. Documents comprising the proposals of bidders invited to submit proposals will be made available for public access after the bidding phase.

4.11. Provided that the functionality is available in the system, the bidder may set their final minimum value or maximum discount percentage when registering the proposal, adhering to the following rules:

4.11.1. the application of the minimum interval of value or percentage differences between bids, which will apply both to intermediate bids and to the bid that covers the best offer; and

4.11.2. bids will be automatically submitted by the system, respecting the established minimum final value and the interval referred to in the previous item.

4.12. The final minimum value or maximum discount percentage set in the system may be changed by the supplier during the bidding phase, with the following restrictions:

4.12.1. a value higher than a bid already recorded by the supplier in the system is prohibited when the evaluation criterion is the lowest price; and

4.12.2. a discount percentage lower than a bid already recorded by the supplier in the system is prohibited when the evaluation criterion is the highest discount.

4.13. The final minimum value or maximum discount percentage set as per item 3.11 will be confidential to other suppliers and to the promoting agency or entity of the bidding, and may be made available strictly and permanently to external and internal control bodies.

4.14. It is the responsibility of the interested bidder to monitor the operations in the electronic system during the bidding process and bear the consequences of losing business due to failure to observe messages issued by the Administration or due to disconnection.

4.15. The bidder must immediately notify the system provider of any event that may compromise confidentiality or security, for immediate access blocking.

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5. THE FILLING OF THE PROPOSAL

5.1. The bidder must submit their proposal by filling in the following fields in the electronic system:

5.1.1. Unit and total price of the item;

5.1.2. Brand;

5.1.3. Manufacturer;

5.2. All specifications of the object contained in the proposal bind the bidder.

5.2.1. The bidder may not offer a quantity lower than the maximum provided for the contract.

5.3. The proposed prices shall include all operational costs, social security, labor, tax, commercial charges, and any other costs directly or indirectly related to the execution of the object.

5.4. The prices offered, both in the initial proposal and in the bidding phase, are the sole responsibility of the bidder, who shall not have the right to request any changes on grounds of error, omission, or any other pretext.

5.5. If the company's tax regime involves the payment of taxes at variable rates, the appropriate quotation shall correspond to the average of the company's actual payments over the last 12 (twelve) months.

5.6. Regardless of the tax percentage entered in the spreadsheet, the applicable rates established by current legislation shall be withheld at source upon payment.

5.7. The submission of proposals implies the obligation to comply with the provisions contained therein, in accordance with the Term of Reference, with the proposer committing to execute the contracted object as specified, and to provide the necessary materials, equipment, tools, and utensils in adequate quantities and quality for proper contractual execution, promoting their replacement when required.

5.8. The validity period of the proposal shall not be less than 60 (sixty) days from the date of its submission.

5.9. Bidders must comply with the maximum prices established in the regulations governing public procurement when participating in public tenders.

5.9.1. If the judgment criterion is the highest discount, the price resulting from the application of the offered discount must comply with the maximum prices.

5.10. Non-compliance with the above rules by the Administration can lead to accountability by the State Court of Accounts and, after due legal process, result in the following consequences: setting a deadline for the adoption of necessary measures to ensure strict compliance with the law, as per Article 97, item VII, of the Constitution of the State of Alagoas; or condemnation of

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the responsible public agents and the contracted company to compensate the public treasury if overpricing is verified during contract execution.

5.11. In cases involving services requiring exclusive dedication of labor, the bidder must indicate the unions, collective agreements, collective conventions, or normative sentences governing the professional categories executing the service and their respective base dates and validity periods, based on the Brazilian Classification of Occupations (*CBO- Classificação Brasileira de Ocupações*).

5.12. In all cases, the payment of the normative salary provided in the applicable collective instrument or the current minimum wage, whichever is higher, must be guaranteed.

6. OPENING OF THE SESSION, CLASSIFICATION OF PROPOSALS, AND SUBMISSION OF BIDS

6.1. The opening of this bidding process will occur automatically in a public session through an electronic system, on the date, time, and location specified in this invitation to bid.

6.2. Bidders may withdraw or replace their proposal or eligibility documents, if applicable, previously submitted in the system, up to the opening of the public session.

6.3. The system will provide a dedicated field for communication between the auctioneer and the bidders.

6.4. Once the competitive stage begins, bidders must submit their bids exclusively through the electronic system, being immediately informed of their receipt and the value recorded in the system.

6.5. The bid must be submitted for the unit price of the item.

6.6. Bidders may submit successive bids, observing the time fixed for the opening of the session and the rules established in this invitation to bid.

6.7. A bidder may only submit a bid lower than the last one they offered and recorded by the system.

6.8. The minimum interval difference in values or percentages between bids, which will apply to both intermediate bids and the bid covering the best offer, shall be 3% (three percent).

6.9. A bidder may, once only, exclude their last submitted bid within 15 (fifteen) seconds after its registration in the system, in the event of an inconsistent or unfeasible bid.

6.10. The procedure will follow the adopted mode of dispute.

6.11. If the "open" mode of dispute is adopted for submitting bids in the competitive bidding, bidders will present public and successive bids, with extensions.

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6.11.1. The bidding stage of the public session will last 10 (ten) minutes and, after that, will be automatically extended by the system when a bid is submitted in the last 2 (two) minutes of the session's duration.

6.11.2. The automatic extension of the bidding stage, as referred to in the previous item, will be 2 minutes and will occur successively whenever a bid is submitted during this extension period, including intermediate bids.

6.11.3. If no new bids are submitted as established in the previous items, the public session will automatically close, and the system will order and disclose the bids according to the final classification.

6.11.4. Once the best proposal is defined, if the difference in relation to the proposal ranked second is at least 5% (five percent), the procurement officer, assisted by the support team, may allow the reopening of the open dispute to define the other positions.

6.11.5. After the reopening mentioned above, bidders will be called to submit intermediate bids.

6.12. If the "open and closed" mode of dispute is adopted for submitting bids in the competitive bidding, bidders will present public and successive bids, with a final and closed bid.

6.12.1. The bidding stage of the public session will initially last 15 (fifteen) minutes. After this period, the system will send a notice of imminent closure of bids, after which a period of up to 10 (ten) minutes, randomly determined, will elapse, after which the reception of bids will be automatically closed.

6.12.2. Once the period referred to in the previous item has elapsed, the system will open an opportunity for the author of the lowest offer and those with offers up to 10% (ten percent) higher than that to submit a final and closed bid within 5 (five) minutes, which will remain confidential until the end of this period.

6.12.3. In the procedure referred to in the previous item, the bidder may choose to maintain their last bid from the open stage or submit a better bid.

6.12.4. If there are fewer than 3 (three) offers under the conditions defined in this item, the authors of the best subsequent bids, in the order of classification, up to a maximum of 3 (three), may submit a final and closed bid within 5 (five) minutes, which will remain confidential until the end of this period.

6.12.5. After the expiration of the periods established in the previous items, the system will order and disclose the bids in ascending order of values.

6.13. If the "closed and open" mode of dispute is adopted for submitting bids in the competitive bidding, only bidders who submit the lowest price/highest discount proposal and those with proposals up to 10% (ten percent) higher/lower than that may participate in the open stage, where bidders will present public and successive bids until the session's closure and any extensions.

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6.13.1. If there are fewer than 3 (three) proposals under the conditions defined in item 5.14, the bidders who submitted the 3 (three) best proposals, including any tied ones, may offer new successive bids.

6.13.2. The bidding stage of the public session will last 10 (ten) minutes and, after that, will be automatically extended by the system when a bid is submitted in the last 2 (two) minutes of the session's duration.

6.13.3. The automatic extension of the bidding stage, as referred to in the previous item, will be 2 (two) minutes and will occur successively whenever a bid is submitted during this extension period, including intermediate bids.

6.13.4. If no new bids are submitted as established in the previous items, the public session will automatically close, and the system will order and disclose the bids according to the final classification.

6.13.5. Once the best proposal is defined, if the difference in relation to the proposal ranked second is at least 5% (five percent), the auctioneer, assisted by the support team, may allow the reopening of the open dispute to define the other positions.

6.13.6. After the reopening mentioned above, bidders will be called to submit intermediate bids.

6.14. After the expiration of the periods established in the previous items, the system will order and disclose the bids in ascending order of values.

6.15. Two or more bids of the same value will not be accepted; the one received and registered first will prevail.

6.16. During the public session, bidders will be informed in real-time of the value of the lowest registered bid, without identifying the bidder.

6.17. In the event of disconnection with the auctioneer during the competitive stage of the bidding, the electronic system may remain accessible to bidders for receiving bids.

6.18. When the disconnection of the electronic system for the auctioneer persists for more than 10 (ten) minutes, the public session will be suspended and will only be restarted after 24 (twenty-four) hours from the communication of the fact by the auctioneer to the participants, on the website used for disclosure.

6.19. If the bidder does not submit any bids, they will compete with the value of their initial proposal.

6.20. Regarding items not exclusive to microenterprises and small businesses, once the bidding phase has concluded, the system will automatically verify the company's size with the Federal Revenue Service of Brazil. The system will identify microenterprises and small businesses in a separate column, comparing their values with the first-place bidder, if the latter is a larger

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company, as well as with other classified bidders, to apply the provisions of Articles 44 and 45 of Brazilian Complementary Law No. 123 of 2006.

6.20.1. In these cases, proposals from microenterprises and small businesses that are up to 5% higher than the best proposal or bid will be considered tied with the first place.

6.20.2. The highest-ranked bidder, as per the previous item, has the right to submit a final offer to break the tie, which must be lower than the first-place bid, within 5 minutes after automatic notification.

6.20.3. If the highest-ranked microenterprise or small business bidder withdraws or fails to respond within the specified time, other microenterprise and small business bidders within the 5% range, in order of classification, will be invited to exercise the same right within the same timeframe.

6.20.4. In case of equal values presented by microenterprises and small businesses within the specified range, a draw will be conducted to determine which bidder may first present a better offer.

6.20.5. In bidding processes providing for a reserved quota allocated to micro-entities and small businesses, should there be no winning bidder for the reserved quota, it may be awarded to the winner of the main quota; in the event of the latter's refusal, the award shall be offered to the remaining bidders, following the order of classification, provided that they match the price of the first-placed bidder of the main quota.

6.21. A tie can only occur between identical proposals (not followed by bids) or between final bids in the closed phase of the open and closed bidding mode.

6.21.1. In the event of a tie between proposals or bids, the tie-breaker criteria will be those established in Article 60 of Brazilian Law No. 14.133 of 2021, in the following order:

6.21.1.1. Final dispute, where tied bidders may present a new proposal immediately after classification;

6.21.1.2. Evaluation of the bidders' prior contractual performance, preferably using registration records to attest compliance with obligations under this Law;

6.21.1.3. Development by the bidder of actions promoting gender equity in the workplace, as per regulations;

6.21.1.4. Development by the bidder of an integrity program, as per guidelines from oversight bodies.

6.21.2. If the tie persists, preference will be given, in order, to goods and services produced or provided by:

6.21.2.1. Companies established in the territory of the state or federal district of the contracting public administration entity, or in the case of a municipality, within the state where it is located;

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6.21.2.2. Brazilian companies;

6.21.2.3. Companies investing in research and development of technology in the country;

6.21.2.4. Companies that demonstrate mitigation practices, as per Brazilian Law No. 12.187 of December 29, 2009.

6.22. Once the bidding phase concludes, if the first-place proposal remains above the maximum price or below the defined discount for the contract, the auctioneer may negotiate more advantageous conditions after the judgment result is defined.

6.22.1. No provision for different prices based on delivery location, packaging, lot size, or any other reason will be accepted.

6.22.2. Negotiation may be conducted with other bidders, in the initially established order of classification, if the first-place bidder is disqualified due to their proposal remaining above the maximum price defined by the administration, even after negotiation.

6.22.3. Negotiation will be conducted through the system and may be monitored by other bidders.

6.22.4. The negotiation result will be disclosed to all bidders and attached to the bidding process records.

6.22.5. The auctioneer will request the highest-ranked bidder to submit the adjusted proposal within 2 hours, extendable for an equal period, from the auctioneer's request, accompanied, if necessary, by supplementary documents to confirm those required in this invitation to bid and already presented.

6.22.6. The auctioneer may extend the established deadline upon a substantiated request made by the bidder in the chat before the deadline expires.

6.23. After price negotiation, the auctioneer will initiate the phase of proposal acceptance and judgment.

7. JUDGEMENT PHASE

7.1. Upon completion of the negotiation phase, the auctioneer will verify whether the bidder provisionally ranked first meets the participation conditions in the bidding process, as provided in Article 14 of Brazilian Law No. 14.133 of 2021, related legislation, and item 3.7 of the invitation to bid, especially regarding the existence of sanctions that prevent participation in the bidding or future contracting, by consulting the following registries:

7.1.1 Unified Supplier Registration System *(Sistema de Cadastramento Unificado de Fornecedores – SICAF)*;

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7.1.2. National Registry of Ineligible and Suspended Companies *(Cadastro Nacional de Empresas Inidôneas e Suspensas – CEIS),* maintained by the Office of the Comptroller General of Brazil *(https://www.portaltransparencia.gov.br/sancoes/ceis);* and

7.1.3. National Registry of Sanctioned Companies (*Cadastro Nacional de Empresas Punidas – CNEP),* maintained by the Office of the Comptroller General of Brazil *(https://www.portaltransparencia.gov.br/sancoes/cnep).*

7.2. The consultation to the registries will be conducted in the name of the bidding company and also its majority shareholder, due to the prohibition referred to in Article 12 of Brazilian Law No. 8.429 of 1992.

7.3. If the bidder's situation inquiry indicates the existence of Indirect Impeditive Occurrences, the auctioneer will investigate whether there was fraud by the companies listed in the Indirect Impeditive Occurrences Report.

7.3.1. The attempt to circumvent will be verified through corporate links, similar supply lines, among others.

7.3.2. The bidder will be called to provide a statement before any possible disqualification.

7.3.3. If a sanction is confirmed, the bidder will be considered unqualified due to lack of participation conditions.

7.4. In the event of the inversion of the qualification and judgment phases, if the participation conditions are met, the qualification procedure will commence.

7.5. If the bidder provisionally ranked first has utilized any preferential treatment for Microenterprises and Small Businesses (ME/EPPs), the auctioneer will verify if they are entitled to the benefit, in accordance with item 4.7 of this invitation to bid.

7.6. Upon verifying the participation conditions and the use of preferential treatment, the auctioneer will examine the proposal ranked first regarding its adequacy to the object and price compatibility with the maximum stipulated for contracting in this invitation to bid and its annexes.

7.7. The winning proposal will be disqualified if it:

7.7.1. Contains irremediable flaws;

7.87.2. Does not comply with the technical specifications in the Terms of Reference;

7.7.3. Presents unfeasible prices or remains above the maximum price defined for contracting;

7.7.4. Does not demonstrate feasibility when required by the Administration;

7.7.5. Presents non-compliance with any other requirements of this invitation to bid or its annexes, provided they are irremediable.

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7.8. In the case of goods and services in general, proposals with values less than 50% (fifty percent) of the estimated value by the Administration are indicative of unfeasibility.

7.8.1. The unfeasibility, in the case mentioned above, will only be considered after the auctioneer's diligence, which proves:

7.8.1.1. That the bidder's cost exceeds the proposal value; and

7.8.1.2. There are no opportunity costs capable of justifying the magnitude of the offer.

7.9. In contracting engineering services, in addition to the above provisions, the analysis of feasibility and overpricing will consider the following:

7.9.1. In execution regimes by task, global price contract, or integrated, semi-integrated, or integrated contracting, overpricing is characterized by exceeding the estimated global value;

7.9.2. In unit price contracting, overpricing is characterized by exceeding the estimated global value and exceeding the relevant unit cost, as per the spreadsheet annexed to the invitation to bid;

7.9.3. In the case of engineering services, proposals with values less than 75% (seventy-five percent) of the estimated value by the Administration will be considered unfeasible, regardless of the execution regime;

7.9.4. An additional guarantee will be required from the winning bidder whose proposal is less than 85% (eighty-five percent) of the estimated value by the Administration, equivalent to the difference between the latter and the proposal value, without prejudice to other guarantees required by law.

7.10. If there are indications of unfeasibility of the price proposal, or if additional clarifications are needed, diligences may be carried out for the company to prove the feasibility of the proposal.

7.11. If the estimated global cost of the contracted object has been broken down into its respective unit costs through a Cost Sheet and Price Formation prepared by the Administration, the first-place classified bidder will be summoned to present a Cost Sheet prepared by them, with the respective values adjusted to the final value of their proposal, under penalty of non-acceptance of the proposal.

7.11.1. In the case of engineering services, the winning bidder will be summoned to present to the Administration, electronically, the spreadsheets indicating the quantities and unit costs, following the model prepared by the Administration, as well as detailing the Bonuses and Indirect Expenses *(BDI- Bonificações e Despesas Indiretas)* and Social Charges (*ES- Encargos Sociais),* with the respective values adjusted to the final value of the winning proposal. The use of unit prices is permitted in the case of a global price contract, integral contract, semi-integrated contract, and integrated contract, exclusively for necessary adjustments in the physical-financial schedule and to guide exceptional subsequent amendments to the contract.

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7.11.2. In the case of services involving the provision of exclusive labor whose productivity is measurable and indicated by the Administration, the bidder must indicate the adopted productivity and the amount of personnel to be allocated to the contractual execution.

7.11.3. If the productivity differs from that used by the Administration as a reference or is not within the reference productivity range but is accepted by the bidding notice, the bidder must present the respective proof of feasibility.

7.11.4. Bidders may present productivity different from that established by the Administration as a reference, provided it does not alter the object of the contract, does not contravene current legal provisions, and, if not within the reference productivity ranges, proves the feasibility of the proposal.

7.11.5. For the purposes of the previous subitem, technical adjustments to the methodology employed by the contracted party are allowed, aiming to ensure the execution of the object, provided the conditions for fair remuneration of the service are maintained.

7.12. Errors in filling out the spreadsheet do not constitute grounds for disqualifying the proposal. The spreadsheet may be adjusted by the supplier within the period indicated by the system, provided there is no price increase and it is proven that it is sufficient to cover all the costs of the contract.

7.12.1. The adjustment referred to in this provision is limited to correcting errors or omissions that do not alter the substance of the proposals.

7.12.2. An error in filling out the spreadsheet that may be corrected is the indication of tax and contribution collection under the Simples Nacional regime when this regime is not applicable.

7.13. For the purpose of analyzing the proposal concerning compliance with the specifications of the object, a written statement may be obtained from the requesting sector of the service or from the specialized area of the object.

7.14. Upon completion of the final bidding stage, bidding companies must adjust their proposals, presenting unit and total values limited to two decimal places after the comma, disregarding the last two additional decimal places. If rounding is necessary, it must be done to the immediately lower value, prohibiting the adoption of a value higher than the final bid presented.

7.15. If the Terms of Reference require the presentation of a sample, the first-place classified bidder must present it as specified in the Terms of Reference, under penalty of non-acceptance of the proposal.

7.16. Through a message in the system, the location and time for the evaluation procedure of the samples will be disclosed, and attendance will be optional for all interested parties, including other bidders.

7.17. The results of the evaluations will be disclosed through a message in the system.

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7.18. In the case of non-delivery of the sample or delay in delivery without justification accepted by the auctioneer, or delivery of a sample outside the specifications provided in this invitation to bid, the bidder's proposal will be rejected.

7.19. If the sample(s) presented by the first-place bidder is/are not accepted, the auctioneer will analyze the acceptability of the proposal or bid offered by the second-place bidder. The verification of the sample(s) will proceed accordingly until one that meets the specifications in the Terms of Reference is found.

7.20. When items are organized in an item group (lot), the evaluation criterion adopted shall be applied individually to each item comprising the group, and none of them may exceed the maximum value estimated by the Administration.

8. ABOUT THE QUALIFICATION PHASE

8.1. The documents provided for in the Terms of Reference, which are necessary and sufficient to demonstrate the bidder's capacity to execute the object of the bidding process, shall be required for qualification purposes, pursuant to Arts. 62 to 70 of Brazilian Law No. 14,133 of 2021.

8.1.1. The documentation required for legal, fiscal, social, labor, and economic-financial qualification purposes may be replaced by the registration record in SICAF.

8.2 When the participation of foreign companies that do not operate in the Country is permitted, the qualification requirements shall be met through equivalent documents, initially submitted in a free translation.

8.2.1 In the event that the winning bidder is a foreign company that does not operate in the Country, for the purposes of signing the contract or the price registration minutes, the documents required for qualification shall be translated by a certified translator in the Country and apostilled pursuant to the provisions of Brazilian Federal Decree No. 8,660 of January 29, 2016, or any other that may replace it, or legalized by the respective consulates or embassies.

8.3 When the participation of a consortium of companies is permitted, the technical qualification, when required, shall be achieved through the sum of the quantities of each consortium member, and, for the purpose of economic-financial qualification, when required, the sum of the values of each consortium member shall be observed.

8.3.1. If the consortium is not composed entirely of micro-entities or small businesses and the notice of reference requires financial qualification requirements, there shall be a 10% (ten percent) increase for the consortium relative to the amount required for individual bidders.

8.4. The documents required for qualification purposes may be submitted in original or by copy, along with a declaration from the bidder as to their authenticity.

8.5. The documents required for qualification purposes may be replaced by a registration record

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issued by a public body or entity, provided that the registration was made in compliance with the provisions of Brazilian Law No. 14,133 of 2021.

8.6. It shall be verified whether the bidder has submitted a declaration stating that it meets the qualification requirements, and the declarant shall be liable for the veracity of the information provided, under the law.

8.7. The bidder shall submit, under penalty of disqualification, a declaration stating that its economic proposals encompass all costs required to comply with the labor rights guaranteed in the Brazilian Federal Constitution, labor laws, sub-regulatory rules, collective labor agreements, and conduct adjustment terms in force on the date of submission of the proposals.

8.8. Qualification shall be verified through SICAF, regarding the documents covered by it.

8.8.1. There shall only be a need to prove compliance with the requirements by submitting original non-digital documents when there is doubt regarding the integrity of the digital document or when expressly required by law.

8.9. It is the bidder's responsibility to verify the accuracy of its registration data in SICAF and keep it updated with the bodies responsible for the information, and it must immediately proceed with the correction or alteration of the records as soon as any inaccuracy is identified or when they become outdated.

8.9.1. Failure to comply with the provisions of the previous item may lead to disqualification at the time of qualification.

8.10. The verification by the procurement agent on official electronic websites of bodies and entities issuing certificates constitutes a legal means of proof for qualification purposes.

8.10.1. The documents required for qualifications that are not covered by SICAF shall be submitted through the system in digital format within a minimum period of 2 hours, extendable for an equal period, counting from the procurement agent's request.

8.10.2. In the event that the qualification phase precedes the proposal and bidding phase, bidders shall submit, through the system, the qualification documents and the proposal with the price or discount percentage simultaneously.

8.11. The verification in SICAF or the requirement of documents not contained therein shall only be carried out in relation to the winning bidder.

8.11.1. The documents relating to fiscal regularity that are included in the Terms of Reference shall only be required, in any case, at a time subsequent to the judging of the proposals, and solely from the highest-ranked bidder.

8.11.2. Respecting the exception of the previous subitem regarding fiscal regularity, when the qualification phase precedes the proposal, bidding, and judging phases, the verification or requirement of this subitem shall occur in relation to all bidders.

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8.12. After the submission of the qualification documents, no replacement or presentation of new documents shall be permitted, except in the context of diligence, to:

8.12.1. Complementation of information regarding the documents already submitted by the bidders, and provided that it is necessary to investigate facts existing at the time of the opening of the bidding process; and

8.12.2. Update of documents whose validity has expired after the date of receipt of the proposals.

8.13. In the analysis of the qualification documents, the procurement agent may correct errors or flaws that do not alter the substance of the documents and their legal validity, by means of a reasoned decision recorded and accessible to all, attributing effectiveness to them for qualification and ranking purposes.

8.14. In the event that the bidder does not meet the qualification requirements, the procurement agent shall examine the subsequent proposal and so on, in order of ranking, until a proposal that complies with this notice is identified, observed the period set forth in subitem 8.11.1.

8.15. The qualification documents of the bidder whose proposal complies with the bidding notice shall only be made available for public access after the procedures referred to in the previous subitem have been completed.

8.16. Proof of fiscal and labor regularity of micro-companies and small businesses shall only be required for contracting purposes, and not as a condition for participation in the bidding process.

8.17. When the qualification phase precedes the judging phase and has already been closed, no exclusion of a bidder for reasons related to qualification shall be applicable, except due to supervening facts or facts only known after the judging.

9. THE PRICE REGISTRATION MINUTES

9.1. Once the bidding result is approved, the highest-ranked bidder shall have 5 (five) days, counted from the date of their summons, to sign the Price Registration Minutes, within the validity period specified therein, under penalty of forfeiting the right to contract, without prejudice to the sanctions provided in Brazilian Law No. 14,133, 2021.

9.2. The summons period may be extended once, for an equal period, upon request by the highest-ranked bidder or the summoned supplier, provided that:

9.2.1. The request is duly justified and submitted within the timeframe; and

9.2.2. The justification is accepted by the Administration.

9.3. The Price Registration Minutes shall be signed digitally and made available in the price registration system.

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9.4. The Price Registration Minutes shall be formalized as necessary to register all items listed in the Term of Reference, indicating the winning bidder, item description(s), respective quantities, registered prices, and other conditions.

9.5. The registered price, along with the suppliers, shall be disclosed in the National Public Procurement Portal (*PNCP- Portal Nacional de Contratações Públicas)* and made available during the validity period of the Price Registration Minutes.

9.6. The existence of registered prices implies a commitment to supply under the established conditions but does not obligate the Administration to contract, allowing for specific bidding for the intended acquisition, provided it is duly justified.

9.7. If the summoned supplier does not sign the Price Registration Minutes within the stipulated period and conditions, the Administration may summon the remaining bidders from the reserve list, in order of classification, to do so within the same period and under the same conditions proposed by the first-ranked bidder.

10. THE FORMATION OF THE RESERVE REGISTER

10.1. After the approval of the bidding process, the following records will be included in the record as an annex:

10.1.1. The bidders who agree to quote the object at the same price as the awarded bidder, observing the classification in the bidding process; and

10.1.2. The bidders who maintain their original proposal.

10.2. The order of classification of the bidders or suppliers recorded in the record will be respected in the contracts.

10.2.1. The submission of new proposals under this item will not prejudice the outcome of the bidding process concerning the highest-ranked bidder.

10.2.2. For classification purposes, bidders or suppliers who agree to quote the object at the same price as the awarded bidder will precede those who maintain their original proposal.

10.3. The eligibility of the bidders who will compose the reserve register will be carried out when there is a need to contract the remaining bidders, in the following cases:

10.3.1. When the winning bidder does not sign the price registration record within the established deadline and conditions in the bidding notice; or

10.3.2 In the event of cancellation of the supplier's registration or the price registration.

10.4. In the event that none of the bidders who agreed to quote the object at the same price as the awarded bidder agree to contract under the same terms and within the same deadline

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proposed by the highest-ranked bidder, the Administration, observing the estimated value and its possible update as provided in the invitation to bid, may:

10.4.1. Call the bidders who maintained their original proposal for negotiation, in the order of classification, aiming to obtain a better price, even if it is higher than the awarded bidder's price; or

10.4.2. Adjudicate and formalize the contract under the conditions offered by the remaining bidders, observing the order of classification, when the negotiation for better conditions fails.

11. THE APPEALS

11.1. The filing of appeals related to the judgment of proposals, the qualification or disqualification of bidders, the annulment or revocation of the bidding process shall observe the provisions of article 165 of Brazilian Law No. 14,133, of 2021.

11.2. The deadline for filing an appeal is 3 (three) business days, counted from the date of notification or the drafting of the record.

11.3. When the submitted appeal challenges the judgment of proposals or the act of qualification or disqualification of the bidder:

11.3.1. The intention to appeal must be immediately expressed, under penalty of preclusion;

11.3.2. The deadline for expressing the intention to appeal shall not be less than 10 (ten) minutes.

11.3.3. The deadline for submitting the appeal grounds shall commence on the date of notification or drafting of the record of eligibility or disqualification;

11.3.4. In the event of the adoption of the phase reversal provided for in § 1 of article 17 of Brazilian Law No. 14,133, of 2021, the deadline for submitting the appeal grounds shall commence on the date of notification of the judgment Record.

11.4. Appeals must be sent in the appropriate field of the system.

11.5. The appeal shall be addressed to the authority that issued the act or rendered the appealed decision, which may reconsider its decision within 3 (three) business days, or, within the same period, forward the appeal to the higher authority, which shall render its decision within 10 (ten) business days from the receipt of the case file.

11.6. Appeals filed beyond the deadline will not be considered.

11.7. The deadline for submitting counterarguments to the appeal by other bidders shall be 3 (three) business days, counted from the date of personal notification or the disclosure of the appeal, ensuring immediate access to the indispensable elements for the defense of their interests.

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11.8. The appeal and request for reconsideration shall have a suspensive effect on the appealed act or decision until a final decision is issued by the competent authority.

11.9. The acceptance of the appeal invalidates only acts that are not susceptible to use.

11.10. The case file shall remain available for inspection by interested parties in the *Sistema Eletrônico de Informações do Estado de Alagoas – SEI! Alagoas (https://portal.sei.al.gov.br/)*.

12. THE ADMINISTRATIVE OFFENSES AND SANCTIONS

12.1. An administrative infraction, under the law, is committed by a bidder who, with intent or negligence:

12.1.1. Fails to submit the required documentation for the bidding process or does not provide any document requested by the auctioneer during the process;

12.1.2. Unless due to a duly justified unforeseen event, does not maintain the proposal, especially when:

12.1.2.1. Does not submit the proposal corresponding to the last bid offered or after negotiation;

12.1.2.2. Refuses to submit the detailed proposal when required;

12.1.2.3. Requests to be disqualified after the competitive phase has ended;

12.1.2.4. Fails to present a sample; or

12.1.2.5. Presents a proposal or sample that does not comply with the specifications of the invitation to bid;

12.1.3. Fails to sign the contract, the price registration minutes, or accept or withdraw the equivalent instrument, or fails to submit the required documentation for contracting, within the period established by the Administration, when called within the validity period of their proposal;

12.1.4. Presents false declarations or documentation required for the bidding process or makes false statements during the bidding;

12.1.5. Commits fraud in the bidding process;

12.1.6. Behaves in an unworthy manner or commits any type of fraud, especially when:

12.1.6.1. Acts in collusion or in non-compliance with the law;

12.1.6.2. Deliberately induces error in the judgment;

12.1.6.3. Presents a falsified or deteriorated sample;

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12.1.7. Commits unlawful acts aiming to frustrate the objectives of the bidding process;

12.1.8. Commits an unlawful act as defined in Article 5 of Brazilian Law No. 12.846, of 2013.

12.2. Pursuant to Brazilian Law No. 14.133, of 2021, the Administration may, after ensuring prior defense, apply the following sanctions to bidders and/or awardees, without prejudice to civil and criminal responsibilities:

12.2.1. Warning;

12.2.2. Fine;

12.2.3. Impediment to bid and contract; and

12.2.4. Declaration of unfitness to bid or contract, while the reasons for the punishment persist or until rehabilitation is promoted before the authority that applied the penalty.

12.3. In applying the sanctions, the following shall be considered:

12.3.1. The nature and severity of the committed infraction;

12.3.2. The peculiarities of the specific case;

12.3.3. The aggravating or mitigating circumstances;

12.3.4. The damages caused to the Public Administration;

12.3.5. The implementation or improvement of an integrity program, in accordance with the norms and guidelines of control bodies.

12.4. The fine shall be collected in a percentage ranging from 0.5% (five-tenths percent) to 30% (thirty percent) of the contracted amount, to be paid within a maximum period of 30 (thirty) business days from the official communication.

12.4.1. For infractions specified in items 12.1.1 to 12.1.3, the fine shall range from 0.5% (five-tenths percent) to 15% (fifteen percent) of the contracted amount.

12.4.2. For infractions specified in items 12.1.4 to 12.1.8, the fine shall range from 15% (fifteen percent) to 30% (thirty percent) of the contracted amount.

12.5. The sanctions of warning, impediment to bid and contract, and declaration of unfitness to bid or contract may be applied, cumulatively or not, along with the penalty of fine.

12.6. In applying the fine sanction, the interested party shall be granted a defense period of 15 (fifteen) business days, counted from the date of their notification.

12.7. The sanction of impediment to bid and contract shall be applied to the responsible party for administrative infractions related to items 12.1.1, 12.1.2, and 12.1.3, when a more severe penalty is not justified, and shall prevent the responsible party from bidding and contracting within the Public Administration of the State of Alagoas for a maximum period of 3 (three)

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years.

12.8. The responsible party may be subjected to the sanction of being declared unfit to bid or contract, due to the commission of infractions outlined in items 12.1.4 to 12.1.8, as well as administrative infractions specified in items 12.1.1 to 12.1.3 that justify the imposition of a penalty more severe than the sanction of being prohibited from bidding or contracting. The duration of this sanction shall adhere to the period stipulated in Article 156, §5, of Brazilian Law No. 14.133, of 2021.

12.9. The unjustified refusal of the awarded bidder to sign the contract or the price registration minutes, or to accept or withdraw the equivalent instrument within the timeframe established by the Administration, as described in item 12.1.3, shall characterize the total non-fulfillment of the assumed obligation and subject the bidder to penalties and the immediate forfeiture of the proposal guarantee in favor of the bidding entity.

12.10. The determination of responsibility related to the sanctions of being prohibited from bidding and contracting and being declared unfit to bid or contract shall require the initiation of a responsibility process to be conducted by a commission composed of two (2) or more permanent civil servants, who will assess known facts and circumstances and summon the bidder or awarded party to, within fifteen (15) business days from the date of notification, present a written defense and specify the evidence they intend to produce.

12.11. An appeal may be filed within fifteen (15) business days from the application of the sanctions of warning, fine, and prohibition from bidding and contracting, counted from the date of notification. The appeal shall be directed to the authority that issued the contested decision, which, if not reconsidered within five (5) business days, shall forward the appeal with its reasoning to the superior authority, which must issue its decision within a maximum of twenty (20) business days from the receipt of the case.

12.12. A request for reconsideration of the application of the sanction of being declared unfit to bid or contract may be submitted within fifteen (15) business days from the date of notification, and shall be decided within a maximum of twenty (20) business days from its receipt.

12.13. The appeal and the request for reconsideration shall have a suspensive effect on the act or decision being contested until a final decision is made by the competent authority.

12.14. The application of the sanctions provided in this invitation to bid does not, under any circumstances, exclude the obligation to fully repair the damages caused to the Public Administration of the State of Alagoas.

13. THE IMPUGNMENT OF THE INVITATION TO BID AND REQUEST FOR CLARIFICATION

13.1. Any individual is legally entitled to challenge this invitation to bid for irregularities in the application of Brazilian Law No. 14.133 of 2021, provided the request is submitted no later than three (3) business days before the scheduled opening date of the bidding process.

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13.2. Responses to challenges or requests for clarification will be published on the official electronic platform within three (3) business days, limited to the last business day prior to the opening date of the bidding process.

13.3. Challenges and requests for clarification may be submitted electronically through the e-mail: klinsmanamgesp@gmail.com or by or by petition addressed or filed at Walter Ananias Avenue, No. 35A - Jaraguá, ZIP code: 57025-510 - Maceió/AL.

13.4. Objections and requests for clarification do not suspend the deadlines set forth in the bidding process.

13.4.1. The granting of suspensive effect to the objection is an exceptional measure and must be motivated by the auctioneer, in the bidding process records.

13.5. If the objection is upheld, a new date shall be defined and published for the bidding process.

14. GENEREAL PROVISIONS

14.1. A record of the public session will be published on the electronic system.

14.2. If there is no service or if any unforeseen event occurs that prevents the holding of the bidding on the scheduled date, the session will be automatically rescheduled to the next business day at the same time previously established, unless otherwise communicated by the auctioneer.

14.3. All time references in this invitation to bid, the notice, and during the public session will follow Brasília Time (BRT).

14.4. The approval of the result of this bidding process does not imply a right to contract.

14.5. The rules governing the bidding process will always be interpreted in favor of expanding competition among interested parties, provided they do not compromise the interests of the Administration, the principle of isonomy, the purpose, and the security of the contract.

14.6. Bidders assume all costs related to the preparation and submission of their proposals, and the Administration will not be, under any circumstances, responsible for these costs, regardless of the conduct or outcome of the bidding process.

14.7. In calculating the deadlines established in this invitation to bid and its Annexes, the starting day will be excluded, and the expiration day will be included. Deadlines commence and expire only on business days within the Administration.

14.8. Failure to meet non-essential formal requirements will not disqualify the bidder, provided the act can be utilized, observing the principles of isonomy and public interest.

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14.9. In case of discrepancies between the provisions of this invitation to bid and its annexes or other documents forming the process, the provisions of this invitation to bid will prevail.

14.10. In the event of any discrepancy between the specifications, units of measurement, conditions, or other requirements of the items tendered as shown on the *Comprasnet* Portal and those set forth in the Terms of Reference, the provisions contained in the Terms of Reference shall prevail, for all purposes.

14.11.The 'Notice Board' made available on the *Comprasnet* Portal has an instructional and binding character, forming an integral part of this Notice of Tender for all intents and purposes, and must be fully observed by bidders. The Notice of Tender and its annexes are available in full on the National Public Procurement Portal (PNCP).

14.12. The Notice and its annexes are available, in their entirety, on the National Public Procurement Portal (PNCP).

14.13. The following annexes are integral parts of this invitation to bid for all purposes:

14.13.1. ANNEX A – Final Proposal Template;

14.13.2. ANNEX B – Draft Price Registration Minutes;

14.13.3. ANNEX C – Draft Contract Agreement;

14.13.4. ANNEX D – Term of Reference;

14.13.5. Appendix to ANNEX D – Preliminary Technical Study.

This document has been translated into English using a **non-sworn translation**, in accordance with Article 41 of Brazilian Decree No. 10.024/2019 and the guidelines set forth in Article 67, §4 of Brazilian Law No. 14.133/2021.

Maceió (AL), November 9, 2026

Luyza Raphaela Tenório Vitorino
Procurement Support Officer

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Ruan Klinsman Colácio Da Silva
Responsible Bidding Officer

ANNEX A - FINAL PROPOSAL TEMPLATE

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Corporate Name of the Bidder: .....
CNPJ/ National Registry of Legal Entities: .....
Adress: .....
ZIP code: .....
Phone number: ..... E-Mail : .....

The spreadsheets of quantities and costs will contain the descriptions of the products comprising the proposed solution, including their respective quantities, units, unit prices, and overall totals, expressed in Brazilian Reais (R$).

ITEM	**DESCRIPITION**	**Brand and Model**	Unit.	Qnt.	**PRICE expressed in R$**	
					UNITARY	TOTAL
01	XXXXXXXXXX		Unit	XX		
TOTAL OVERALL						

DELIVERY AND EXECUTION TIME: The delivery period for the goods shall be one hundred (100) days, in a single shipment from the date of the supply order accompanied by the corresponding commitment note, according to the needs of the Administration.

PROPOSAL VALIDITY: The validity period of this Proposal is 60 (sixty) consecutive days, counted from the date of the opening of this Tender.

PAYMENT DEADLINE: The bidder **DECLARES** to accept payment from the Administration as defined in the contractual draft, ANNEX III of this invitation to bid.

BANK ACCOUNT: Bank XXXXX, Branch XXXX, Checking Account XXXXX.

I declare:

1. That all expenses related to taxes, fees, social charges, fiscal charges, customs clearance, social security charges, and any other expenses that may apply to or arise from the subject of the tender are included in this commercial proposal.

2. That I agree to all the rules and conditions of this invitation to bid and its annexes.

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ANNEX B - DRAFT PRICE REGISTRATION MINUTES

PRICE REGISTRATION RECORD No. (...)/(20...)

Administrative Process No. E:04105.0000001457/2026

The ***Agência de Modernização da Gestão de Processos – AMGESP***, with headquarters at Walter Ananias Avenue, No. 35A - Jaraguá, ZIP code: 57025-510 - Maceió/AL, registered with CNPJ/MF under No. 07.424.905/0001-38, herein represented by its Director-President, Mr. **Amilton Barbosa Silva**, appointed by decree No. 86.124, dated January 1, 2023, published in the Diário Oficial de Alagoas on January 1, 2023, bearer of functional registration No. 163-5, considering (…the bidding process judgment in the electronic form of Competitive Bidding…), for PRICE REGISTRATION No. AMGESP-(...)/20(...), published in the Diário Oficial de Alagoas on (...) of (...) of 20(...), administrative process No. E:04105.0000001457/2026, RESOLVES to register the prices of the company(s) indicated and qualified in this RECORD, according to the classification achieved by them and the quantity(ies) quoted, complying with the conditions stipulated in the invitation to bid, subjecting the parties to the rules set forth in Brazilian Law No. 14.133, of April 1, 2021, and in accordance with the provisions below:

1. THE PURPOSE

1.1 This Record of Prices aims to register prices for the potential hiring of **ACQUISITION OF AMMUNITION** as specified in item(s) nº (...) of the attached Terms of Reference/Basic Project (... of the invitation to bid nº (...)/20(...)/ of the Direct Hiring Notice nº (...)/20(...)), which is an integral part of this Record, as well as the proposals whose prices have been registered, regardless of transcription.

2. PRICES, SPECIFICATIONS AND QUANTITIES

2.1. The registered price, the specifications of the object, the quantities, the Supplier, and the other conditions offered in the proposal are as follows:

Supplier: National Corporate Taxpayer Registry (CNPJ); State Registration Number; Registered at; Postal Code (CEP); Telephone; E-mail; Represented by Mr./Ms.; Registered in the Individual Taxpayer Registry (CPF); under Identity Card (RG) No.;							
Item	CATMAT/ CATSER	Descripitio n	Unit of measurement	Quantity	Brand / Model	Unit Price (R$)	Total Value (R$)
(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
(...)	(...)	(...)	(...)	(...)	(...)	(...)	(...)
TOTAL VALUE: R$ XXXXXX (XXXXXX).							

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2.2 The list of the reserve registration related to this price registration is attached as an annex to this Record.

3. THE MANAGING BODY OR ENTITY AND PARTICIPANTS

3.1. The public bodies and entities participating in the price registration are:

ITEM	PURCHASE UNIT	INSTITUTION	MINIMUM REQUISITION FOR USE OF PRICE REGISTRATION INSTRUMENT	MAXIMUM REQUISITION FOR USE OF PRICE REGISTRATION INSTRUMENT	TOTAL
XXX	XXX	XXX	10%	50%	XXXX
XXX	XXX	XXX	10%	50%	XXXX

4. THE ADHERENCE TO THE PRICE REGISTRATION MINUTES

4.1. During the term of the Price Registration Minutes, state, district, and municipal public administration bodies and entities that did not participate in the IRP procedure may join the Price Registration Minutes as non-participants, subject to the following requirements:

4.1.1. Submission of a justification for the advantage of joining, including in situations of likely stock shortages or interruptions in public service.

4.1.2. Demonstration that the registered prices are compatible with market prices, in accordance with Article 23 of Brazilian Law No. 14.133 of 2021; and

4.1.3. Prior consultation and acceptance by the managing body and the supplier.

4.2. Authorization from the managing body will only be granted after the supplier's acceptance of the adherence.

4.2.1. The managing body may reject adherence if it could harm the execution of its own contracts or its management capacity.

4.3. After authorization from the managing body, the non-participating body or entity must complete the requested acquisition or contracting within 90 (ninety) days, observing the validity period of the record.

4.4. The period mentioned in the previous item for completing the contracting may be exceptionally extended upon request from the non-participating body or entity, accepted by the managing body, provided that the total validity period of the Price Registration Minutes is respected.

4.5. The body or entity may adhere to an item of the Price Registration Minutes in which it is a participant, as a non-participant, for items for which it has no registered quantity, observing

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the requirements of item 4.1.

Limits for Adhesions

4.6. Additional acquisitions or contracts may not exceed, per body or entity, 50% (fifty percent) of the quantities of the items in the invitation instrument registered in the Price Registration Minutes for the managing body and participants.

4.7 The total quantity resulting from adherence may not exceed twice the quantity of each item registered in the Price Registration Minutes for the managing body and participants, regardless of the number of non-participating bodies or entities that adhere to the Price Registration Minutes.

4.8 Adoption of the Price Registration Minutes by agencies and entities of the district and municipal public administration may be a requirement for the execution of voluntary transfers.

Prohibition of Quantity Increases

4.9. It is prohibited to increase the quantities fixed in the Price Registration **Minutes**.

5. VALIDITY, FORMALIZATION OF THE PRICE REGISTRATION MINUTES, AND RESERVE REGISTRY

5.1. The validity of the Price Registration Minutes shall be 1 (one) year, counted from the first business day following the date of publication on the National Public Procurement Portal – PNCP, and may be extended for an equal period, with the supplier's consent, provided that the advantageous price is proven.

5.1.1. The contract resulting from the Price Registration Minutes shall have its term established in the contractual instrument itself and shall observe, at the time of contracting and each fiscal year, the availability of budgetary credits, as well as the forecast in the multi-year plan when it exceeds 1 (one) fiscal year.

5.1.2. In the formalization of the contract or substitute instrument, the indication of the availability of the respective budgetary credits must be included.

5.2 Contracting with suppliers registered in the record will be formalized by the interested body or entity through a contractual instrument, issuance of expense commitment note, purchase authorization, or other appropriate instrument, according to art. 95 of Brazilian Law No. 14,133, of 2021.

5.2.1. The contractual instrument referred to in item 5.2 must be signed within the validity period of the Price Registration Minutes.

5.3. Contracts arising from the price registration system may be altered, observing art. 124 of Brazilian Law No. 14,133, of 2021.

5.4. After the approval of the bidding or direct contracting, the following conditions must be observed for the formalization of the Price Registration Minutes:

5.4.1. The prices and quantities of the awardee shall be registered in the record, and the possibility that the bidder may or may not offer a proposal in a quantity lower than the

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maximum provided in the invitation to bid or Direct Contracting Notice must be observed, and they must commit within those limits;

5.4.2. A record of the bidders or suppliers who meet the following conditions shall be included in the Price Registration Minutes as an annex:

5.4.2.1. Agree to quote goods, works, or services at prices equal to the awardee, considering the bidding classification; and

5.4.2.2. Maintain their original proposal;

5.4.3. The order of classification of the bidders or suppliers registered in the record shall be respected in the contracts.

5.5. The registration referred to in item 5.4.2 aims to form a reserve list in case the signatory of the record is unable to fulfill the order.

5.6. For classification purposes, bidders or suppliers who agree to reduce their proposals to the awardee's price shall precede those who maintain their original proposal.

5.7. The eligibility of bidders who make up the reserve list referred to in item 5.4.2.2 will only be carried out when there is a need to contract the remaining bidders in the following cases:

5.7.1. When the winning bidder does not sign the Price Registration Minutes within the period and conditions established in the invitation to bid or Direct Contracting Notice; and

5.7.2. When there is a cancellation of the bidder's registration or price registration under the conditions set out in item 9.

5.8. The registered price with the indication of the bidders and suppliers will be published on the PNCP and made available during the validity of the Price Registration Minutes.

5.9. After the approval of the bidding or direct contracting, the highest-ranked bidder or supplier, in the case of direct contracting, will be called to sign the Price Registration Minutes, within the deadline and conditions established in the bidding notice or direct contracting notice, under penalty of losing the right, without prejudice to the sanctions provided in Brazilian Law No. 14,133, of 2021.

5.9.1. The call period may be extended once, for an equal period, at the request of the summoned bidder or supplier, provided that it is presented within the deadline, duly justified, and that the justification is accepted by the Administration.

5.10. The Price Registration Minutes shall be signed by digital signature and made available in the Price Registration System.

5.11. When the summoned party does not sign the Price Registration Minutes within the deadline and conditions established in the notice or contracting announcement, and observing item 5.7, the Administration may call the remaining bidders on the reserve list, in order of classification, to do so within the same period and conditions proposed by the first classified.

5.12. If none of the bidders referred to in item 5.4.2.1 accepts contracting under the terms of the previous item, the Administration, observing the estimated value and its possible update under the terms of the invitation to bid or direct contracting notice, may:

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5.12.1. Call for negotiation the remaining bidders or suppliers whose prices were registered without reduction, respecting the order of classification, aiming to obtain a better price, even if above the awardee's price; or

5.12.2. Award and sign the contract under the conditions offered by the remaining bidders or suppliers, respecting the classification order, when negotiation of better conditions fails.

5.13. The existence of Registered Prices implies a commitment to supply under the established conditions, but does not oblige the Administration to contract, allowing a specific bidding process for the intended acquisition, provided it is duly justified.

6. AMENDMENT OR UPDATE OF THE RECORDED PRICES

6.1. The recorded prices may be amended or updated due to a potential reduction in market prices or an event that increases the cost of the goods, works, or services recorded, under the following circumstances:

6.1.1. In cases of force majeure, unforeseeable circumstances, acts of government (*fato do príncipe*), or events that are unforeseeable or foreseeable but with incalculable consequences, which render the execution of the agreement unfeasible as originally agreed, pursuant to subparagraph "d" of item II of the main section of Article 124 of Brazilian Law No. 14,133, of 2021;

6.1.2. In cases of the creation, modification, or extinction of any taxes or legal charges, or the emergence of legal provisions, with proven impact on the recorded prices;

6.1.3. In situations where the public notice or direct contracting notice includes a clause on price adjustment or renegotiation of the recorded prices, under the terms of Brazilian Law No. 14,133, of 2021.

6.1.3.1. In the case of price adjustment, the annual interval and the index specified for the contract must be respected;

6.1.3.2. In the case of renegotiation, it may occur at the request of the interested party, in accordance with the criteria defined for the contract.

7. NEGOTIATION OF RECORDED PRICES

7.1. If the recorded price becomes higher than the market price due to a supervening reason, the managing agency or entity shall summon the supplier to negotiate a reduction in the recorded price.

7.1.1. If the supplier does not agree to reduce their price to match current market prices, they shall be released from the commitment made regarding the recorded item, without the imposition of administrative penalties.

7.1.2. In the event described in the previous item, the managing agency shall summon the suppliers listed in the reserve registry, in order of classification, to verify whether they agree to reduce their prices to market values, and shall not summon bidders or suppliers whose registration was canceled.

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7.1.3. If the negotiations are unsuccessful, the managing agency or entity shall proceed with the cancellation of the Price Registration Minutes and take appropriate measures to secure a more advantageous contract.

7.1.4. If the recorded price is reduced, the managing agency shall inform the agencies and entities that have entered into contracts under the Price Registration Minutes, so they may assess the convenience and timeliness of negotiating a contractual amendment, in accordance with Article 124 of Brazilian Law No. 14,133, of 2021.

7.2. If the market price becomes higher than the recorded price and the supplier is unable to fulfill the obligations established in the record, the supplier may request the managing agency to adjust the recorded price, upon proof of a supervening fact that allegedly prevents them from meeting the commitment.

7.2.1. In such cases, the supplier shall submit, along with the request for adjustment, supporting documentation or a cost spreadsheet demonstrating the unfeasibility of the recorded price in relation to the conditions initially agreed upon.

7.2.2. If the existence of a supervening fact rendering the recorded price unfeasible is not proven, the request shall be denied by the managing agency or entity, and the supplier must fulfill the obligations established in the record, under penalty of having their registration canceled, pursuant to item 9.1, without prejudice to the sanctions provided in Brazilian Law No. 14,133, of 2021, and applicable legislation.

7.2.3. In the event of cancellation of the supplier's registration as per the previous item, the managing agency shall summon the suppliers from the reserve registry, in order of classification, to verify if they agree to maintain their recorded prices, in accordance with item 5.7.

7.2.4. If the negotiations are unsuccessful, the managing agency or entity shall proceed with the cancellation of the Price Registration Minutes, pursuant to item 9.4, and take appropriate measures to obtain a more advantageous contract.

7.2.5. If the increase in market price that renders the recorded price unfeasible is proven, as provided in items 7.2 and 7.2.1, the managing agency or entity shall update the recorded price according to the actual values practiced in the market.

7.2.6. The managing agency or entity shall notify the agencies and entities that have signed contracts under the Price Registration Minutes of the effective change in the recorded price, so they may assess the need for a contractual amendment, in accordance with Article 124 of Brazilian Law No. 14,133, of 2021.

8. REALLOCATION OF QUANTITIES RECORDED IN THE PRICE REGISTRATION MINUTES

8.1. The quantities estimated for the items with prices recorded in the Price Registration Minutes may be reallocated by the managing agency or entity among the participating and non-participating agencies or entities.

8.2. Reallocation may only occur:

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8.2.1. From one participating agency or entity to another participating agency or entity; or

8.2.2. From a participating agency or entity to a non-participating agency or entity.

8.3. The managing agency or entity that estimated the quantities it intends to contract shall be considered a participating entity for the purposes of reallocation.

8.4. In the case of reallocation from a participating agency or entity to a non-participating one, the limits established for adhesions must be observed.

8.5. It shall be the responsibility of the managing agency or entity to authorize the requested reallocation, along with the reduction of the quantity initially informed by the participating agency or entity, provided that the agency or entity subject to the reduction gives prior consent.

8.6. If the reallocation occurs between agencies or entities from different States, the Federal District, or Municipalities, the supplier benefiting from the Price Registration Minutes, in accordance with the conditions established therein, shall have the right to choose whether or not to accept the supply resulting from the reallocation of items.

8.7. In the case of centralized purchasing, if the managing agency or entity does not specify the quantities for each participant, as mentioned in item 8.3, the distribution of quantities for decentralized execution shall be done through reallocation.

9. CANCELLATION OF THE SUPPLIER'S REGISTRATION AND RECORDED PRICES

9.1. The supplier’s registration shall be canceled by the managing agency when the supplier:

9.1.1. Fails to comply with the conditions of the Price Registration Minutes without justified reason;

9.1.2. Does not collect the purchase order or equivalent instrument within the timeframe established by the Administration without reasonable justification;

9.1.3. Refuses to maintain the recorded price when the existence of a supervening event rendering the price unfeasible is not proven; or

9.1.4. Is subject to a sanction as provided in items III or IV of the main section of Article 156 of Brazilian Law No. 14,133, of 2021.

9.1.4.1. In the case of sanctions applied under items III or IV of the main section of Article 156 of Brazilian Law No. 14,133, of 2021, if the penalty does not extend beyond the validity period of the Price Registration Minutes, the managing agency or entity may, through a reasoned decision, choose to maintain the price registration, although contracts deriving from the record shall be prohibited while the sanction is in effect.

9.2. The cancellation of registrations under the conditions set forth in item 9.1 shall be formalized by an official decision from the managing agency or entity, ensuring the principles of adversarial proceedings and the right to a full defense.

9.3. In the event of cancellation of the supplier’s registration, the managing agency or entity

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may summon the bidders listed in the reserve registry, in order of classification.

9.4. The cancellation of recorded prices may be carried out by the managing agency, in whole or in part, for a given Price Registration Minutes, in the following cases, provided that they are duly substantiated and justified:

9.4.1. For reasons of public interest;

9.4.2. At the supplier's request, due to force majeure or unforeseen circumstances; or

9.4.3. If negotiations fail in situations where the market price becomes either higher or lower than the recorded price.

10. PENALTIES

10.1. Noncompliance with the Price Registration Minutes shall result in the application of the penalties established in the invitation to bid or in the direct contracting notice.

10.1.1. Penalties shall also apply to members of the reserve registry in the price registration process who, once summoned, unjustifiably fail to honor the commitment assumed after signing the record.

10.2. It is the responsibility of the managing agency to apply penalties resulting from the breach of the terms agreed upon in this Price Registration Minutes, except in cases where the noncompliance relates to contracts executed by participating agencies or entities, in which case the respective agency or entity shall be responsible for applying the penalty.

10.3. The participating agency or entity shall notify the managing agency of any of the occurrences outlined in item 9.1, due to the need to initiate proceedings for the cancellation of the supplier's registration.

11. GENERAL CONDITIONS

11.1. The general conditions for executing the object, such as deadlines for delivery and receipt, the obligations of the Administration and the registered supplier, penalties, and other terms of the agreement, are defined in the Terms of Reference, annexed to the invitation to bid or direct contracting notice.

11.2. In cases of award by group of items under a global price, partial contracting of the items within the group shall only be permitted if a prior market survey is conducted and the advantage to the agency or entity is demonstrated.

For the purposes of validity and enforcement of the agreement, this Record was drawn up in 1 (one) counterparts of equal content, which, after being read and found in order, is signed by the managing agency or entity and the supplier(s), and a copy is forwarded to the Participating Agencies.

This document has been translated into English using a **non-sworn translation**, in accordance with Article 41 of Brazilian Decree No. 10.024/2019 and the guidelines set forth in Article 67, §4 of Brazilian Law No. 14.133/2021.

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Maceió (AL), on the (...) of (...), (...).

AMILTON BARBOSA SILVA
President Director/ AMGESP
MANAGING AGENCY

SUPPLIER

WITNESS CPF No.

WITNESS CPF No.

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APPENDIX

Reserve Registration

Following the ranking order, here is the list of suppliers who agreed to quote the items at prices equal to the awardee:

Supplier: (company name, CNPJ/MF, address, contacts, representative...)						
Item	Description	Unit of Measurement	Quantity	Value (R$)	Minimum Requirement	Maximum Requirement
(...)	(...)	(...)	(...)	(...)	(...)	(...)
(...)	(...)	(...)	(...)	(...)	(...)	(...)

Following the ranking order, here is the list of suppliers who maintained their original proposal:

Supplier: (company name, CNPJ/MF, address, contacts, representative...)						
Item	Description	Unit of Measurement	Quantity	Value (R$)	Minimum Requirement	Maximum Requirement
(...)	(...)	(...)	(...)	(...)	(...)	(...)
(...)	(...)	(...)	(...)	(...)	(...)	(...)

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ANNEX C – DRAFT CONTRACT AGREEMENT

CONTRACT AGREEMENT (...) No. (...)/(20...), ENTERED INTO BY AND BETWEEN (...STATE OF ALAGOAS, THROUGH THE (...AGENCY.../AUTARCHY/FOUNDATION...) AND THE COMPANY (...), FOR THE ACQUISITION OF AMMUNITION.

CONTRACTING PARTY: The (...State of Alagoas, through the (...agency.../autarchy/foundation...), registered with the CNPJ under No. (...) and headquartered at (...address...), represented by (...position of the expense manager...), Mr. (...name...), appointed by (...Decree/Ordinance...) No. (...), dated (...) of (...) of 20(...), published in the DOE/AL on (...) of (...) of 20(...), holder of functional registration No. (...);

CONTRACTED PARTY: The company (...name...), registered with the CNPJ under No. (...), headquartered at (...address...) and with the following email address (...@...), represented by its (...position of the legal representative...), Mr. (...name...), in accordance with the legal representation granted to him by (...power of attorney/social contract/bylaws...), registered with the CPF under No. (...);

The CONTRACTING PARTIES, in compliance with the provisions of Brazilian Law No. 14,133, dated April 1, 2021, and the principles of public law, applying, subsidiarily, the principles of general contract theory and the provisions of private law, including the Brazilian Law No. 8,078, dated September 11, 1990 – Consumer Protection Code, enter into this contract, arising from administrative process No. E:04105.0000001457/2026, and of Electronic Auction No. (...), subject to the following terms and conditions:

1. CLAUSE ONE- OBJECT

1.1 The object of the contract is the hiring of **ACQUISITION OF AMMUNITION**, in accordance with the specifications and quantities established in the Terms of Reference.

1.2 Object of the hiring:

Item	Specification	CATMAT	Unit Measurement	Quantity	Unit Price (R$) or Discount Percentage (%)	Total Amount
(...)	(...)	(...)		(...)	(...)	(...)
(...)	(...)	(...)		(...)	(...)	(...)

1.3 The following are annexes to this instrument and bind this hiring, regardless of transcription:

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1.3.1 The Terms of Reference that supported the hiring.

1.3.2 The Bidding Notice;

1.3.3 The Proposal of the Contracted Party; e

1.3.4 Any attachments to the aforementioned documents.

2 CLAUSE TWO- TERM AND EXTENSION

2.1 The contract is effective until (…31 December of the current fiscal year…), starting from its publication on the National Public Procurement Portal (PNCP), in accordance with Article 105 of Brazilian Law No. 14.133 of 2021.

2.1.1 The term of the contract shall be automatically extended, without the need for an addendum, if the object is not completed within the agreed period, except in cases where the delay is due to the Contracted Party's fault, as provided in this instrument.

2.2 The Contracted Party does not have a subjective right to the contractual extension.

2.3 The contract extension must be formalized through the execution of a contract addendum.

2.4 The contract cannot be extended if the Contracted Party has been penalized with sanctions of declaration of unfitness or prohibition from bidding and contracting with the public administration, observing the applicable scope of application.

3 CLAUSE THREE – CONTRACT EXECUTION AND MANAGEMENT MODELS

3.1. The contract execution regime, management and execution models, as well as the deadlines and conditions for completion, delivery, observation, and acceptance of the object are detailed in the Terms of Reference, annexed to this Contract.

4 CLAUSE FOUR– SUBCONTRACTING

4.1 Subcontracting of the contractual object is not permitted

5 CLAUSE FIVE – PRICE

5.1 The monthly contract amount is R$ (...) (in words: (...) reais), totaling R$ (...) (in words: (...) reais).

Item	Specification	Quantity	Unit Price (R$)
(...)	(...)	(...)	(...)
(...)	(...)	(...)	(...)

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5.2 The above amount includes all ordinary direct and indirect expenses arising from the execution of the object, including taxes and/or duties, social, labor, social security, fiscal, and commercial charges, administration fees, freight, insurance, and other necessary expenses for the full compliance with the contract's object.

5.3 The above amount is merely an estimate; therefore, the payments due to the Contracted Party will depend on the actual quantities provided.

6 CLAUSE SIX – PAYMENT

6.1 The payment terms to the Contracted Party and other related conditions are defined in the Terms of Reference, attached to this Contract.

7 CLAUSE SEVEN – ADJUSTMENT

7.1 The prices initially contracted are fixed and non-adjustable for a period of one year from the date of the estimated budget, on (.../.../...).

7.2 After an interval of 1 (one) year, and independently of any request by the Contractor, the initial prices shall be adjusted by the Contracting Authority through the application of the IGP-M index, exclusively for obligations initiated and completed after the occurrence of the one-year period."

7.3 For subsequent adjustments, the minimum period of one year will be counted from the financial effects of the last adjustment.

7.4 In the event of delay or non-disclosure of the adjustment index, the Contracting Party shall pay the Contracted Party the amount calculated based on the last known variation, settling the corresponding difference as soon as the final index is disclosed.

7.5 In final assessments, the index used for adjustment shall necessarily be the final one.

7.6 If the index established for adjustment is discontinued or otherwise becomes unusable, it shall be replaced by the index determined by the legislation in force at that time.

7.7 In the absence of legal provisions regarding the substitute index, the parties shall agree upon a new official index for adjusting the remaining contract value through an addendum.

7.8 The adjustment shall be carried out by means of an contract amendment.

8 CLAUSE EIGHT – OBLIGATIONS OF THE CONTRACTING PARTY

8.1 The Contracting Party's obligations are as follows:

8.1.1 To require the fulfillment of all obligations assumed by the Contracted Party, in accordance with the contract and its annexes;

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8.1.2 To receive the object within the period and conditions established in the Terms of Reference;

8.1.3 To notify the Contracted Party, in writing, about defects, flaws, or inaccuracies found in the provided object, so that it is replaced, repaired, or corrected, in whole or in part, at the Contracted Party's expense;

8.1.4 To monitor and supervise the execution of the contract and the fulfillment of obligations by the Contracted Party;

8.1.5 To instruct the company to issue an invoice for the undisputed portion of the object execution, for settlement and payment purposes, when there is a dispute regarding the execution of the object concerning its scope, quality, or quantity;

8.1.6 To make payment to the Contracted Party for the value corresponding to the provision of the object, within the period, form, and conditions established in this Contract and the Term of Reference;

8.1.7 To apply to the Contracted Party the sanctions provided by law and this Contract;

8.1.8 To inform the legal representation body of the Contracting Party for the adoption of appropriate measures in case of non-fulfillment of obligations by the Contracted Party;

8.1.9 To respond to any requests for the restoration of the economic-financial balance made by the Contracted Party within a maximum period of 30 (thirty) days;

8.1.10 To explicitly issue decisions on all requests and complaints related to the execution of this Contract, except for those that are manifestly irrelevant, merely delaying tactics, or of no interest to the proper execution of the agreement.

8.1.10.1 Upon completion of the instruction of the request, the Administration shall have a period of 30 (thirty) days to decide, with the possibility of a motivated extension for an equal period.

8.1.11 To notify the issuers of guarantees regarding the initiation of administrative proceedings to investigate non-compliance with contractual clauses, when applicable.

8.2 The Administration shall not be liable for any commitments assumed by the Contracted Party with third parties, even if related to the execution of the contract, nor for any damages caused to third parties as a result of acts by the Contracted Party, its employees, agents, or subordinates.

9 CLAUSE NINE- OBLIGATIONS OF THE CONTRACTED PARTY

9.1 The Contracted Party must fulfill all obligations set forth in this Contract and its annexes, assuming exclusively the risks and expenses arising from the proper and perfect execution of the object, also observing the following obligations:

9.1.10 Deliver the object accompanied by the user manual, with one version in Portuguese, and the list of authorized technical assistance centers;

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9.1.11 Be responsible for defects and damages arising from the object, in accordance with Articles 12, 13, and 17 to 27 of Brazilian Consumer Defense Code (Brazilian Law No. 8,078, of 1990);

9.1.12 Notify the Contracting Party, within a maximum of 24 (twenty-four) hours prior to the delivery date, of any reasons preventing compliance with the established deadline, with proper justification;

9.1.13 Comply with regular determinations issued by the contract supervisor or manager or superior authority and provide any clarifications or information requested by them;

9.1.14 Repair, correct, remove, rebuild, or replace, at its own expense, in whole or in part, within the period set by the contract supervisor, any goods found to have defects, flaws, or inaccuracies resulting from the execution or materials used;

9.1.15 Be responsible for defects and damages arising from the execution of the object, as well as any damages caused to the Administration or third parties, not reducing this responsibility by the supervision or monitoring of the contract execution by the Contracting Party, which is authorized to deduct from payments due or from the guarantee, if required, the amount corresponding to the damages suffered;

9.1.16 When it is not possible to verify regularity in the SICAF (Unified Supplier Registration System), the Contracted Party must submit to the contract supervision department, along with the Invoice for payment purposes, the following documents: 1) proof of regularity concerning Social Security; 2) joint certificate concerning federal taxes and the Federal Debt; 3) certificates proving regularity before the State or District Treasury of the Contracted Party's domicile or headquarters; 4) Certificate of Regularity of the FGTS (Severance Indemnity Fund) – CRF; and 5) Negative Certificate of Labor Debts – CNDT;

9.1.17 Be responsible for complying with obligations set forth in Agreements, Conventions, Collective Labor Agreements, or equivalents of the categories covered by the contract, for all labor, social, social security, tax, and other obligations provided for in specific legislation, non-compliance with which does not transfer responsibility to the Contracting Party;

9.1.18 Notify the contract supervisor, within 24 (twenty-four) hours of any abnormal occurrence or accident occurring at the location of the contractual object execution;

9.1.19 Suspend, upon the Contracting Party's determination, any activity not being executed according to good technical practices or that poses a risk to the safety of people or third-party property;

9.1.20 Maintain, throughout the contract's duration, all conditions required for eligibility in the bidding process;

9.1.21 Comply, during the entire contract execution period, with the legal requirements for the employment of people with disabilities, rehabilitated individuals from Social Security, or apprentices, as well as other legal provisions;

9.1.21.1 Hiring of apprentices must prioritize adolescents aged between fourteen and eighteen years, as per Article 53 of Brazilian Federal Decree No. 9,579, of November 22, 2018;

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9.1.22 Provide proof of compliance with the employment requirements mentioned above, within the period set by the contract supervisor, by indicating the employees who occupy the designated positions;

9.1.23 Maintain confidentiality regarding all information obtained during the contract's execution;

9.1.24 Bear the costs arising from any errors in estimating quantities in its proposal, including future and uncertain variable costs, and must supplement them if the initially proposed amount is insufficient to meet the contract's object, except when any of the events listed in Article 124, II, d, of Brazilian Law No. 14,133, of 2021 occurs;

9.1.25 Comply with, in addition to federal, state, or municipal legal requirements, the Contracting Party's safety regulations;

10 CLAUSE TEN– PERFORMANCE GUARANTEE

10.1 No performance guarantee shall be required for the execution of this contract.

11 CLAUSE ELEVEN – INFRACTIONS AND ADMINISTRATIVE SANCTIONS

11.1. The Contracted Party shall commit an administrative infraction, pursuant to Brazilian Law No. 14,133 of 2021, if they:

11.1.1. Cause partial non-performance of the contract;

11.1.2. Cause partial non-performance of the contract that results in significant damage to the Administration, the operation of public services, or the collective interest;

11.1.3. Cause total non-performance of the contract;

11.1.4. Delay the execution or delivery of the contracted object without justified reason;

11.1.5. Submit false documentation or provide false declarations during the execution of the contract;

11.1.6. Engage in fraudulent acts during the execution of the contract;

11.1.7. Behave in an unworthy manner or commit fraud of any nature;

11.1.8. Commit harmful acts as defined in Article 5 of Brazilian Law No. 12,846 of August 1, 2013.

11.2. The following sanctions shall be applied to the Contracted Party who commits any of the infractions described above:

11.2.1. **Warning,** when the Contracted Party causes partial non-performance of the contract, provided that a more severe penalty is not justified (Article 156, §2, of Brazilian Law No. 14,133 of 2021);

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11.2.2**. Impediment to bid and contract**, when the conduct described in items 11.1.2 to 11.1.4 occurs, provided that a more severe penalty is not justified (Article 156, §4, of Brazilian Law No. 14,133 of 2021);

11.2.3. **Declaration of unfitness to bid and contract**, when the conduct described in items 11.1.5 to 11.1.8 occurs, as well as the conduct described in items 11.1.2 to 11.1.4 that justifies a more severe penalty (Article 156, §5, of Brazilian Law No. 14,133 of 2021);

11.2.4**. Fine**:

11.2.4.1. Late payment fine of 0.1% (one-tenth of a percent) per day of unjustified delay on the value of the overdue installment, up to a limit of 60 (sixty) days;

11.2.4.2. Late payment fine of 0.1% (one-tenth of a percent) per day of unjustified delay on the total contract value, up to a maximum of 3% (three percent) for failure to meet the deadline set for the presentation, supplementation, or replacement of the guarantee;

11.2.4.2.1. A delay exceeding 60 (sixty) days authorizes the Administration to terminate the contract due to non-compliance or irregular performance of its clauses, as provided in item I of Article 137 of Brazilian Law No. 14,133 of 2021.

11.2.4.3. Compensatory fine for infractions described in items 11.1.1 to 11.1.4, ranging from 0.5% (five-tenths of a percent) to 15% (fifteen percent) of the contract value;

11.2.4.4. Compensatory fine for infractions described in items 11.1.5 to 11.1.8, ranging from 15% (fifteen percent) to 30% (thirty percent) of the contract value.

11.3. The application of the sanctions provided in this Contract does not exclude, under any circumstances, the obligation to fully repair the damage caused to the Contracting Party (Article 156, §9, of Brazilian Law No. 14,133 of 2021).

11.4. All sanctions provided in this Contract may be applied cumulatively with the fine (Article 156, §7, of Brazilian Law No. 14,133 of 2021).

11.4.1. Before applying the fine, the interested party shall be granted a defense period of 15 (fifteen) business days, counted from the date of notification (Article 157 of Brazilian Law No. 14,133 of 2021).

11.4.2. If the applied fine and applicable indemnities exceed the amount of payment eventually due by the Contracting Party to the Contracted Party, in addition to the loss of that amount, the difference shall be deducted from the provided guarantee or collected judicially (Article 156, §8, of Brazilian Law No. 14,133 of 2021).

11.4.3. Prior to judicial collection, the fine may be paid administratively within a maximum period of 30 (thirty) days, counted from the date of receipt of the communication sent by the competent authority.

11.5. The application of sanctions shall be carried out in an administrative process that ensures the adversarial process and full defense to the Contracted Party, observing the procedure provided in the main text and paragraphs of Article 158 of Brazilian Law No. 14,133 of 2021, for the penalties of impediment to bid and contract and declaration of unfitness to bid or contract.

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11.6. In applying the sanctions, the following shall be considered (Article 156, §1, of Brazilian Law No. 14,133 of 2021):

11.6.1. The nature and severity of the committed infraction;

11.6.2. The peculiarities of the specific case;

11.6.3. The aggravating or mitigating circumstances;

11.6.4. The damages resulting therefrom to the Contracting Party; and

11.6.5. The implementation or improvement of an integrity program, in accordance with the standards and guidelines of the control bodies.

11.7 Acts classified as administrative infractions under Brazilian Law No. 14.133 of 2021, or other public procurement and administrative contract laws that are also considered harmful acts under Brazilian Law No. 12.846 of 2013, shall be investigated and adjudicated jointly within the same proceedings, following the procedural rules and competent authority specified in the aforementioned laws (Article 159 of Brazilian Law No. 14.133 of 2021).

11.8 The legal personality of the Contracted Party may be disregarded whenever used abusively to facilitate, conceal, or disguise the commission of illicit acts specified in this Contract or to cause confusion of assets. In such cases, all effects of sanctions imposed on the legal entity shall be extended to its administrators and partners with management powers, to the successor legal entity, or to a company in the same industry with a relationship of affiliation or control, whether de facto or de jure, with the sanctioned entity, ensuring, in all cases, the right to a fair hearing, broad defense, and prior legal analysis (Article 160 of Brazilian Law No. 14.133 of 2021).

11.9 The Contracting Party shall, within a maximum period of 15 (fifteen) business days from the date of application of the sanction, inform and keep updated the data related to the sanctions it has applied, for the purpose of public disclosure in the National Register of Ineligible and Suspended Companies (CEIS) and the National Register of Punished Companies (CNEP), established within the scope of the Federal Executive Branch (Article 161 of Brazilian Law No. 14.133 of 2021).

11.10 Sanctions of prohibition to bid and contract and declaration of ineligibility to bid or contract are subject to rehabilitation as per Article 163 of Brazilian Law No. 14.133 of 2021.

12 CLAUSE TWELVE– CONTRACT TERMINATION

12.1. The contract may be terminated before the obligations stipulated therein have been fulfilled, or before the term fixed therein, for any of the reasons set forth in Article 137 of Brazilian Law No. 14,133/21, and also amicably, with the rights to adversarial proceedings and full defense ensured.

12.1.1. In this case, Articles 138 and 139 of the same Law also apply.

12.1.2. Changes in the company's ownership, or modifications to its corporate purpose or structure, shall not result in termination unless they restrict its ability to complete the contract.

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12.1.2.1 If the operation implies a change in the contracted legal entity, an addendum shall be formalized for subjective alteration.

12.2 The termination term, whenever possible, shall be preceded by:

12.2.1 Balance of the contractual events already fulfilled or partially fulfilled;

12.2.2 List of payments already made and still owed;

12.2.3 Indemnifications and fines.

12.3 The termination of the contract shall not constitute an obstacle to the recognition of economic-financial imbalance, in which case indemnification shall be granted through an indemnity term.

12.4 The contract may be terminated if it is found that the Contracted Party maintains a technical, commercial, economic, financial, labor, or civil relationship with a director of the contracting body or entity or with a public agent who has performed a function in the bidding process or acts in the supervision or management of the contract, or who is their spouse, partner, or relative in a straight line, collateral, or by affinity, up to the third degree (Article 14, item IV, of Brazilian Law No. 14.133/2021).

13 CLAUSE TIRTHEEN- AMENDMENTS

13.1 Any contractual amendments shall be governed by the provisions of Articles 124 and subsequent articles of Brazilian Law No. 14.133 of 2021.

13.2 The Contracted Party is obligated to accept, under the same contractual conditions, any necessary additions or reductions, up to the limit of 25% (twenty-five percent) of the initial updated contract value.

13.3 Contractual amendments must be made through the execution of an addendum, subject to prior approval by the State Attorney General's Office, except in cases of justified necessity for the anticipation of their effects, in which case the formalization of the addendum must occur within a maximum period of 1 (one) month (Article 132 of Brazilian Law No. 14.133 of 2021).

13.4 Records that do not constitute a change to the contract may be made by simple memorandum, dispensing with the execution of an addendum, as provided in Article 136 of Brazilian Law No. 14.133 of 2021.

14 CLAUSE FOURTEEN – BUDGET ADEQUACY

14.1 The expenses arising from this contract shall be covered by specific resources allocated in the State's General Budget for this fiscal year, under the following appropriation:

14.1.1 Management/Unit: (...);

14.1.2 Source of Funds: (...);

14.1.3 Work Program: (...);

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14.1.4 Expenditure Element: (...);

14.1.5 Internal Plan: (...).

14.2 The allocation for subsequent fiscal years shall be indicated after the approval of the respective Budget Law and the release of the corresponding credits, through an amendment.

15 CLAUSE FIFTEEN – OMITTED CASES

15.1 Any matters not expressly addressed in this Agreement shall be decided by the Contracting Party in accordance with the provisions set forth in Brazilian Law No. 14.133 of 2021, other applicable regulations, and, subsidiarily, in accordance with the provisions of Brazilian Law No. 8.078 of 1990 – Brazilian Consumer Defense Code – and general contract law principles.

16 CLAUSE SIXTEEN – PUBLICATION

16.1 It shall be the responsibility of the Contracting Party to arrange for the publication of this instrument in the PNCP.

17 CLAUSE SEVENTEEN- JURISDICTION

17.1 The forum of the District Court of Maceió, Alagoas, is hereby elected to settle disputes arising from the execution of this Contract that cannot be resolved through conciliation, in accordance with Article 92, §1, of Brazilian Federal Law No. 14.133, of 2021.

In witness whereof, this Contract has been executed in 2 (two) original copies of equal content and form, which, after being read and found to be in order, shall be signed by the Contracting Parties.

This document has been translated into English using a **non-sworn translation**, in accordance with Article 41 of Brazilian Decree No. 10.024/2019 and the guidelines set forth in Article 67, §4 of Brazilian Law No. 14.133/2021.

Maceió (AL), on (...) of (...) of (...).

_____

CONTRACTING PARTY

_____

CONTRACTED PARTY

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WITNESS	CPF No.
WITNESS	CPF N

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ANNEX D – Term of Reference

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SECRETARIA DE ESTADO DA SEGURANÇA PÚBLICA-AL

IRP AMMUNITION 32/2026

Basic Information

Artifact Number	UASG	Edited by	Updated on
32/2026	926474-*SECRETARIA DE ESTADO DA SEGURANÇA PÚBLICA-AL*	RAPHAEL JOSE OLIVEIRA DE ALMEIDA	04/11/2026 12:35 (v 0.14)

Status
SIGNED

Other Information

Category	Contract Number	Administrative Process
II – purchase, including by order/permanent goods		E:02100.0000001605/2026

1. GENERAL CONDITIONS OF THE CONTRACT

1. GENERAL CONDITIONS OF THE CONTRACT

1.1. **ACQUISITION OF AMMUNITION,** in accordance with the conditions and requirements established in this instrument.

ITEM	SPECIFICATION	CATMAT	UNIT OF MEASURE	QUANTITY
01 (OPEN COMPETITION)	**Fogo Firearm Ammunition Projectile** Material: Lead Caliber: 12 Type: Gauge Model: #00 Buckshot Weight: 32 g Application: 12-Gauge Shotgun **Complementary Description:** The conventional ammunition described in this specification is intended for use in policing activities, and must exhibit reliable ballistic performance, adequate target energy transfer, and full compatibility with 12-Gauge shotgun firearms. **CARTRIDGE** The cartridge shall feature **multiple buckshot projectiles**, Size **00** (#00 buck), containing **8 (eight) or 9 (nine), lead pellets**, with a **nominal diameter of approximately 8.4 mm**, in accordance with the Size of Buck: '00' classification adopted by **ANSI/SAAMI Z299.2-2019.**	623975	Unit	**991.295**

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The projectile–charge–case assembly shall be specially prepared to optimize ballistic performance, ensuring functional regularity, pressure stability, and proper energy transfer, in compliance with applicable regulatory limits.

The cartridge shall be assembled in accordance with the manufacturer's technical drawings and the standardized drawings and dimensions of the ANSI/SAAMI Z299.2-2019 standard.

It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, punctures, corrosion, or any other defect that compromises its safety or employment.

It must feature a propellant charge of optimal quality and chemical stability, provided that the propellant charge shall be assembled with a gunpowder lot having a maximum elapsed time of two years between manufacture and its use in the lot of ammunition under inspection.

The cartridges shall be manufactured with materials of optimal quality, and the cartridge hull shall be red in color.

Preferably, the cartridges shall be closed/crimped using a star crimp.

VELOCITY

In a series of shots, the arithmetic mean of the velocities, measured at 1 yard (0.9144 m) from the muzzle of the test barrel, shall range between: 1,125 fps and 1,325 fps, measured in accordance with the test method established by ANSI/SAAMI Z299.2-2019, using a barrel and instrumentation compatible with the standard.

PACKAGING

It is desirable that the ammunition be packaged as follows:

Sturdy cardboard boxes, containing 25 (twenty-five) cartridges each;

The small boxes shall be packed in a corrugated cardboard box, containing:

- 10 (ten) small boxes, totaling

- 250 (two hundred and fifty) rounds per box.

Each box shall also contain a manual or information card, written in Portuguese, containing instructions on the use, preservation, limits, and restrictions of the material.

Made of quality and resistant paper

WARRANTY

The winning bidder shall provide a permanent warranty for the product (ammunition) against manufacturing defects or flaws, provided they are stored in packaging and special conditions, as indicated by the manufacturer.

SHELF LIFE

The validity of the ammunition shall be 10 (ten) years from its manufacture;
The validity of the ammunition after being removed from the original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

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	The manufacturer shall make technicians and laboratories available to the Administration, upon request, to provide any technical information regarding components, analysis of product performance, or proof of required characteristics specified in these technical specifications, the costs of any such procedures being at the winning bidder's expense. The manufacturer shall have 02 (two) business days to provide technical assistance, counting from the notification of the request to the company by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to replace the cartridges, counting from the notification of the technical assistance request, or even to promote their replacement, if necessary. **COMPATIBILITY** The conventional ammunition to be supplied must allow for appropriate use in any 12 Gauge 2¾" (70 mm) shotgun firearm.			
02 (OPEN COMPETITION)	**Firearm Ammunition Projectile** Material: Lead Caliber: 12 x 70 mm Type: High-Impact Buckshot 3T Weight: 32 g Application: Shotgun **Complementary Description:** The conventional ammunition described in this specification is intended for use in policing activities and must display reliable ballistic performance, adequate energy transfer to the target, and full compatibility with 12 Gauge shotgun firearms. **CARTRIDGE** The cartridge shall have **multiple projectiles of the Buckshot type**, size **4** (#4 Buck), containing between **27 (twenty-seven) and 34 (thirty-four) lead pellets**, with an approximate **nominal diameter of 6.1 mm**, pursuant to the Size of Buck: '4' classification adopted by **ANSI/SAAMI Z299.2-2019.** The projectile–charge–case assembly shall be specially prepared to optimize ballistic performance, ensuring operational consistency, pressure stability, and adequate energy transfer, while complying with applicable regulatory limits. The cartridge shall be assembled in accordance with the manufacturer's technical drawings and the standardized drawings and dimensions set forth in ANSI/SAAMI Z299.2-2019. It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a propellant charge with optimum quality and chemical stability, provided that the propellant charge must be formulated using a powder lot with a maximum of two years elapsed between its manufacture and its use in the lot of ammunition under inspection.	629015	Unit	**991.398**

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The cartridges shall be manufactured with high-quality materials, and the cartridge body shall be red.

Preferably, the cartridges shall be sealed/crimped by means of a star crimp.

VELOCITY

In a series of shots, the arithmetic mean of the velocities, measured at 1 yard (0.9144 m) from the muzzle of the test barrel, shall fall between 1,250 fps and 1,325 fps, measured in accordance with the test method established by ANSI/SAAMI Z299.2-2019, using a barrel and instrumentation compatible with the standard.

PACKAGING

It is desirable that the ammunition be packaged as follows:

Heavy-duty cardboard boxes, containing 25 (twenty-five) cartridges each;

The boxes shall be packaged in a corrugated cardboard box, containing:

- 10 (ten) inner boxes, totaling

- 250 (two hundred and fifty) rounds of ammunition per box.

Each box shall also contain an instruction manual or information card, written in Portuguese, containing guidance on the use, preservation, limitations, and restrictions of the material.

Made of durable, high-quality paper.

WARRANTY

. The winning bidder shall provide a permanent warranty for the product (ammunition) against manufacturing defects or vices, provided that they are preserved in special packaging and conditions, as indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from its date of manufacture;
The shelf life of the ammunition after being removed from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, performance analyses of the product, or proof of characteristics required in these technical specifications, the costs of any such procedures being at the expense of the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counting from the notification of the request sent to the company by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to exchange the cartridges, counting from the notification of the request for technical assistance, or to replace them, if necessary.

COMPATIBILITY

The conventional ammunition to be supplied shall allow proper use in any shotgun-type firearm of 12 gauge, 2¾" (70 mm).

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03 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 x 45 mm Type: Ball / Standard Weight: 55 gr Application: Rifle and Submachine Gun **Complementary Description:** The ammunition described in this specification is intended for operational use in 5.56×45 mm caliber machine guns employed in defense, public security, or military operations. It shall exhibit a high level of reliability, mechanical robustness, and consistent ballistic performance, including under sustained automatic fire. The ammunition shall comply with the requirements established in Brazilian Army Ordinance No. 189-EME, as well as with the applicable technical criteria set forth in STANAG 2310 (Edition 3), STANAG 4170, STANAG 2329, and STANAG 2311, and with the NATO AEP-97 (Edition A) test procedures. The cartridge shall be assembled in accordance with the manufacturer's technical specifications and drawings, as well as the requirements set forth in STANAG 4172 Ed. 3; It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises the safety, reliability, or operational use of the ammunition. The ammunition shall be fitted with a non-corrosive Boxer-type primer, suitable for use in automatic weapons chambered for 5.56×45 mm cartridges and shall be of high quality to ensure reliable and safe ignition. The primers used shall originate from recent production lots and shall comply with the safety, sensitivity, and functioning requirements established in AEP-97 (Section 23). The cartridge case shall be of high quality and manufactured from a special brass alloy containing 70% copper and 30% zinc, or from an alternative material demonstrated to provide superior performance. The propellant charge shall be of high quality and exhibit chemical stability, complying with the functional and ballistic requirements established in MIL-C-9963F and STANAG 4172, as well as the test methods specified in AEP-97. It shall not adversely affect the ballistic characteristics of the ammunition. The propellant shall originate from production lots for which no more than two years have elapsed between the date of manufacture and its use in the ammunition lot submitted for inspection. The conventional ammunition to be supplied shall be suitable for use in any 5.56×45 mm NATO-caliber machine gun. **SEALING** The cartridge shall not emit more than one air bubble within 30 seconds when subjected to a pressure exceeding 50 kPa, as measured in accordance with the NATO test method specified in AEP-97 (Edition A, Section 26).	291740	Unit	**4.992.510**

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BULLET CRIMP (bullet pull)

The bullet pull force required to separate the projectile from the cartridge case shall be equal to or greater than 157 N, as established in standard MIL-C-9963F, measured in accordance with the applicable test method.
Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g steel ball dropped from a height equal to or less than 75 mm (seventy-five millimetres), measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimetres), measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a firing series, with the ammunition conditioned at 21 °C, the mean of the chamber pressures recorded using a 6215 piezoelectric transducer shall be equal to or less than 445 MPa, as measured in accordance with the NATO test method (AEP-97, Edition A, Section 12);

VELOCITY

In a firing series, the arithmetic mean of the velocities, measured at 24 m from the muzzle of the test barrel, shall be **965 ± 12 m/s**, with the ammunition conditioned at 21 °C, as established in standard **MIL-C-9963F** and in accordance with the test methods provided for in **AEP-97 (Edition A, Section 12).**

PRECISION

In a firing series at 550 m (five hundred and fifty metres), the mean standard deviation shall not exceed 200 mm (two hundred millimetres), as measured in accordance with the NATO test method (AEP-97, Edition A, Section 18); given the difficulty of conducting tests in ballistic tunnels at the distance prescribed in the standard, a technical report may be submitted for shorter distances, describing in detail the methodology employed and demonstrating that all variables have been taken into account in verifying the accuracy of the projectiles, subject to evaluation and validation by the technical committee of the SSP.

OPERATIONAL PROJECTILE:

The projectile shall be **compatible with the 5.56×45 mm M193 type standard,** as specified in **MIL-C-9963F, with a weight of 55 grains, full metal jacket with a lead core.**

Feeding by NATO-standard disintegrating metallic links (M27 or equivalent);

The links shall ensure continuous, failure-free feeding, allowing automatic separation during firing;

SEALANT

A sealant shall be applied at the case-to-primer and case-to-projectile interfaces so as to render the cartridge watertight, including when submerged in water.

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

PACKAGING

The ammunition shall be supplied as linked ammunition, belted on disintegrating metallic links suitable for belt-fed automatic weapons chambered for the 5.56 × 45 mm NATO cartridge, in accordance with the applicable military standards.

The ammunition shall be packed in commercial packs of 100 (one hundred) cartridges each, belted on NATO-standard M27 (or equivalent) disintegrating links, so as to preserve the integrity of the links and of the belted ammunition and to ensure safety during transport and handling.

The outer pack shall be a metal container with a maximum capacity of 1,000 (one thousand) cartridges and shall protect the cartridges and links against shock, moisture, dust and other environmental hazards.

The maximum capacity of the outer pack shall be 1,000 (one thousand) cartridges, unless a solution demonstrated to be superior is approved by the SSP technical committee.

Each package shall be legibly and indelibly marked with, as a minimum, the following information:

-Caliber;
-Ammunition type;
-Quantity;
-Link type;
-Date of manufacture;
-Lot number;
-Manufacturer identification.

Each package shall be accompanied by a manual or information card, in the Portuguese language, containing instructions for use, preservation, transport, and safety warnings.

WARRANTY

Each package shall be accompanied by a manual or information card, in Portuguese, containing instructions for use, storage and transport, as well as safety warnings.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from the original packaging shall be 1 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information on the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 2 (two) working days to provide technical assistance, counted from the date on which the company is notified of the request by the Public Administration.

The manufacturer shall have 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from notification of the request for technical assistance, or to provide a substitute, if necessary.

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04 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 X 45 MM Type: Common Weight: 55 grains Application: Rifle and machine gun **Supplementary Description:** The ammunition is intended for operational use in automatic and semi-automatic weapons chambered for 5.56×45 mm NATO, for institutional use in public security or defense activities, providing consistent ballistic performance, penetration control and reliability under adverse conditions. The ammunition shall conform to the requirements of Brazilian Army Ordinance No. 189-EME and shall satisfy the applicable technical criteria of MIL-C-9963F and STANAG 4172 (Edition 3), as well as the NATO test procedures set out in AEP-97 (Edition A). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 4172 Ed. 3 drawing; The ammunition shall be correctly identified, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion or any other defect that compromises the safety, reliability or operational use of the ammunition. The ammunition shall be fitted with a high-quality Boxer-type primer suitable for 5.56×45 mm cartridges, ensuring reliable and safe ignition. The primers used shall be taken from recently manufactured lots and shall meet the safety, sensitivity and functioning requirements established in AEP-97 (Edition A, Section 23). It must have a high-quality cartridge case, made of a special brass alloy of 70% copper and 30% zinc, or a proven superior solution; The propellant charge shall be of high quality and exhibit chemical stability, in accordance with the applicable requirements of MIL-C-9963F and STANAG 4172, as well as the relevant test procedures set forth in AEP-97. It shall not adversely affect the ballistic characteristics of the ammunition. The propellant shall be sourced from production lots for which no more than two years have elapsed between the date of manufacture and its incorporation into the ammunition lot submitted for inspection. The conventional ammunition to be supplied shall be suitable for use in any firearm chambered for 5.56×45 mm NATO ammunition. **SEALING** The cartridge shall not emit more than one air bubble within 30 seconds when subjected to a pressure exceeding 50 kPa, as measured in accordance with the NATO test method specified in AEP-97 (Edition A, Section 26).	291740	Unit	**493.145**

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BULLET CRIMP (bullet pull)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 157 N, as established in standard MIL-C-9963F, measured in accordance with the applicable test method.
Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY:

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

VELOCITY

In a series of 20 (twenty) shots, with ammunition conditioned at 21 °C, the mean velocity, measured at 24 meters from the muzzle of the test barrel, in accordance with the methodology set forth in AEP-97 (Edition A, Section 12), shall be consistent with the ballistic performance of the 5.56×45 mm NATO caliber, taking into account the mass and type of projectile used.

The standard deviation of the velocities shall not exceed 15 m/s, as measured in accordance with the methodology of AEP-97 (Edition A, Section 12).

PRECISION

The ammunition shall be evaluated by means of five (5) independent series of five (05) shots each, totaling 25 shots, conducted under controlled conditions, in accordance with the methodology set forth in AEP-97 (Edition A, Section 18).

For acceptance purposes, the ammunition shall demonstrate a **mean accuracy not exceeding 3.0 MOA (three minutes of angle)**, measured at **100 meters**, considering the mean grouping of the firing series (Mean Radius), thereby ensuring ballistic consistency and predictability of the point of impact, taking into account the test distance adopted.

OPERATIONAL PROJECTILE:

Expanding monolithic projectile, manufactured entirely from metallic material (copper or equivalent alloy), lead-free, **with a weight of not less than 60 grains, and a design that provides controlled expansion.**

SEALANT

A sealant shall be applied at the case-primer and case-projectile joints to waterproof the cartridge, including when submerged in water.

PACKAGING

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	The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material. Each secondary package may contain up to **1,000 (one thousand) units** of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee. . Each package shall contain a **manual or information card**, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
05 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 X 45 MM Type: Common Weight: 55 grains Application: Rifle and machine gun **Supplementary Description:** The ammunition is intended for technical-operational and precision use in automatic and semi-automatic weapons chambered in 5.56×45 mm NATO, including rifles and platforms designed for precision shooting, and shall exhibit a high degree of ballistic uniformity, excellent manufacturing consistency, and a high standard of accuracy, consistent with the concept of MATCH-type ammunition. The ammunition shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army, and shall also meet the	291740	Unit	**494.437**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

applicable technical criteria of the standards MIL-C-9963F, STANAG 4172 (Edition 3), and the NATO test procedures AEP-97 (Edition A).

The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 4172 Ed. 3 drawing;

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises the safety, reliability, or operational use of the ammunition.

The ammunition shall be fitted with a Boxer-type primer, suitable for use in 5.56×45 mm caliber cartridges, of excellent quality, ensuring reliable and safe ignition.

The primers used shall originate from recent manufacturing lots, compatible with the safety, sensitivity, and functioning requirements established in AEP-97 (Section 23).

It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution;

The propellant charge shall be of excellent quality and chemical stability, being compatible with the functional and ballistic requirements established in MIL-C-9963F, STANAG 4172, and in the test methods of AEP-97, and shall not adversely affect the ballistic characteristics of the ammunition.

The propellant used shall come from manufacturing lots in which no more than two years have elapsed between their manufacture and their use in the ammunition lot submitted for inspection.

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 5.56 x 45 mm NATO.

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (bullet pull)

The force required to extract (pull) the projectile from the cartridge case shall be **equal to or greater than 157 N**, as established in standard **MIL-C-9963F,** measured in accordance with the applicable test method. . Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

VELOCITY

In a series of 20 (twenty) shots, with ammunition conditioned at 21 °C, the mean velocity, measured at 24 meters from the muzzle of the test barrel, in accordance with the methodology set forth in AEP-97 (Edition A, Section 12), **shall fall within the typical range for 5.56×45 mm MATCH ammunition with 69 to 77 grain projectiles,** ensuring safe functioning and consistent ballistic performance.

The standard deviation of the velocities shall not exceed 15 m/s, as measured in accordance with the methodology of AEP-97 (Edition A, Section 12).

PRECISION

The ammunition shall be evaluated in accordance with the methodology set forth in NATO AEP-97 (Edition A, Section 18), by means of five (5) independent series of five (5) shots each, totaling 25 (twenty-five) shots, conducted under controlled conditions.

For acceptance purposes, the ammunition shall demonstrate a **mean accuracy not exceeding 1.5 MOA (one and a half minutes of angle), measured at 100 meters**, considering the mean grouping of the firing series (Mean Radius).

OPERATIONAL PROJECTILE

Match precision projectile, full metal jacket, with a metallic core (lead or equivalent alloy), **with a weight of not less than 69 grains**, and geometry optimized for gyroscopic stability and a high ballistic coefficient.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to **1,000 (one thousand) units of ammunition**, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a **manual or information card,** made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

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	TECHNICAL ASSISTANCE The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
06 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle. **Supplementary Description:** Military and police ammunition, caliber **7.62 × 51 mm NATO (BALL)**, supplied in **metallic disintegrating-link belts**, intended for use especially in machine guns for operational activities, training, and institutional use, fully complying with the international NATO standards (STANAG). The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army** and shall also meet the applicable technical criteria of the standards **STANAG 2310 Ed. 3, STANAG 4170, STANAG 2329 / STANAG 2311, and the NATO test procedures AEP-97 (Edition A).** The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 2310 Ed. 3 drawing; It must be correctly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots with a maximum of manufacture; It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;	486813	Unit	**4.994.510**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 7.62 x 51 mm.

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (bullet pull)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 265 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

VELOCITY

In a series of 20 (twenty) shots, the mean velocity, measured at 24 meters from the muzzle of the barrel, shall be approximately 883 m/s (± 15 m/s), in accordance with the test methodology defined in AEP-97, Section 12, and in conformity with the ballistic parameters of 7.62 × 51 mm NATO ammunition.

PRECISION

In a series of shots, at 550 m (five hundred and fifty meters), the mean standard deviation shall not exceed 200 mm (two hundred millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 18); taking into account the difficulty of conducting tests in ballistic tunnels at the distance prescribed in the standard, a report may be submitted at shorter distances, describing in detail the methodology employed and demonstrating that all variables were taken into consideration in verifying the accuracy of the projectiles, to be evaluated and validated by the SSP Technical Committee;

OPERATIONAL PROJECTILE

The projectile shall be of **7.62×51 mm NATO caliber**, **Ball** type, full metal jacket **(FMJ – Full Metal Jacket)**, with a **lead core or equivalent material**, without armor-piercing, tracer, or incendiary components, with a nominal weight between **144 and 147 grains**, compatible with the operational standard of the **M80 projectile or equivalent.**

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The ammunition shall be supplied in a **metallic disintegrating-link belt**, **NATO standard (M13 type or equivalent).**

The links shall ensure continuous, failure-free feeding, allowing automatic separation during firing;

SEALANT

A sealant shall be applied at the case-primer and case-projectile joints to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be supplied in **linked configuration**, assembled in **disintegrating metallic links** suitable for feeding automatic weapons, compatible with the 7.62 × 51 mm NATO caliber, in accordance with applicable military standards.

The ammunition shall be packed in **commercial packaging containing 100 (one hundred) cartridges**, already assembled in belts (linked) to NATO standard M13 or equivalent, so as to preserve the integrity of the links and of the loaded assembly, ensuring safety during transport and handling.

. The outer packaging shall be metallic and shall protect the cartridges and links against impact, moisture, dust, and external agents.

The maximum capacity of the outer packaging shall be 1,000 (one thousand) cartridges, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall bear, in a legible and indelible manner, at a minimum, the following information:

- Caliber;

- Type of ammunition;

- Quantity;

- Type of link

- Date of manufacture;

- Manufacturing lot;

- Manufacturer identification.

Each package shall be accompanied by a **manual or information card,** in Portuguese, containing instructions for use, storage, transport, and safety warnings.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these

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	technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
07 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Brass Caliber: .308 Type: Winchester HPBT Sniper Weight: 175 G Application: Rifle and Machine Gun **Supplementary Description:** Acquisition of **precision ammunition, caliber .308 Winchester**, intended for use by **specialized and special operations units, for** operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations. The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army** and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with requirements for chemical stability, ballistic compatibility, and operational safety, in accordance with recognized international military or civilian technical standards, such as applicable STANAGs or equivalents; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;	628564	Unit	**295.908**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **.308 Win.**

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

In accordance with the criteria and equipment established by standard SSAMI Z299.4-2025, the muzzle velocity shall be from 2,550 to 2,600 fps (± 50 fps), with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C.

The standard deviation of the shot velocities shall not exceed 20 fps.

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE:

.308 caliber projectile, **Polymer Tip** type, with a polymer tip, metallic jacket, and lead core, nominal weight **180 grains,** suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

	PACKAGING The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material. Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
08 (OPEN COMPETITION)	**Projectile Ammunition Firearm** Material: Lead Caliber: 308 Win Type: 308 Win Weight: 125gr Application: .308 Win Firearms **Supplementary Description:** Acquisition of **precision ammunition, caliber .308 Winchester**, intended for use by **specialized and special operations units**, for operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations. The ammunition **shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army**, and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and	626166	Unit	**295.638**

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test methods.

Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition.

The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing;

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use;

It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old;

It shall have a cartridge case of excellent quality, made of a high-quality brass alloy;

It shall have a propellant charge of excellent quality and chemical stability, complying with requirements for chemical stability, ballistic compatibility, and operational safety, in accordance with recognized international military or civilian technical standards, such as applicable STANAGs or equivalents.

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .**308 Win.**

SEALING:

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

In accordance with the criteria and equipment established by standard SSAMI Z299.4-2025, the muzzle velocity shall be from 2,550 to 2,600 fps (± 50 fps), with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C.

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The standard deviation of the shot velocities shall not exceed 20 fps.

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm),** as measured by an appropriate instrument.

OPERATIONAL PROJECTILE:

.308 caliber projectile, **Polymer Tip** type, with a polymer tip, metallic jacket, and lead core, nominal weight between **110 and 125 grains**, suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by

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	the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
09 (OPEN COMPETITION) 	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of **precision ammunition, caliber 6.5 Creedmoor**, intended for use by **specialized and special operations units,** for operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations. The ammunition **shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army**, and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;	486813	Unit	**193.383**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **6.5 Creedmoor.**

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall be **consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm),** as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, **bonded** type, with a polymer tip, metallic jacket, and lead core, nominal weight of not less than **140 grains**, suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

10 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of precision ammunition, caliber **6.5 Creedmoor,** intended for use by **specialized units,** for **advanced training, technical instruction, institutional activities, and use by precision marksmen**, in scenarios requiring **high ballistic precision, trajectory consistency, and shot repeatability**, including controlled urban environments and long-range shooting ranges. The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army** and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function; The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 6.5 Creedmoor. **SEALING** The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);	486813	Unit	**184.497**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall be **consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, Boat-Tail Hollow Point (HPBT) type, with a metallic jacket and lead core, nominal weight between 140 (one hundred and forty) and 147 (one hundred and forty-seven) grains, designed for high ballistic precision, a high ballistic coefficient, and flight stability at medium and long distances, suitable for use by precision marksmen in advanced training activities and institutional use.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

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	Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
11 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of precision ammunition, caliber **6.5 Creedmoor**, intended for use by **specialized units, for advanced training, technical instruction, institutional activities, and use by precision marksmen**, in scenarios requiring **high ballistic precision, trajectory consistency, and shot repeatability,** including controlled urban environments and long-range shooting ranges. The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army,** and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing;	486813	Unit	**191.229**

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It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use;

It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old;

It shall have a cartridge case of excellent quality, made of a high-quality brass alloy;

It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection;

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **6.5 Creedmoor.**

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall **be consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

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PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case **shall be equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, Boat-Tail Hollow Point (HPBT) type, with a metallic jacket and lead core, nominal weight between 130 (one hundred and thirty) and 140 (one hundred and forty) grains, designed for high ballistic precision, a high ballistic coefficient, and flight stability at medium and long distances, suitable for use by precision marksmen in advanced training activities and institutional use.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

	technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
12 (OPEN COMPETITION)	**Projétil Munição Arma Fogo** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of ammunition, caliber **10mm Automatic (10mm Auto)**, intended for use by specialized and conventional units, **for training, technical instruction, institutional activities, and operational use**, in controlled environments, shooting ranges, and urban scenarios, where **functional reliability, safety, ballistic control, and shot repeatability are required.** The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Arm**y, and shall also fully meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition,** with regard to dimensions, pressure, interchangeability, and test methods. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, fully complying with the dimensions and tolerances set forth in the SAAMI standard for the 10mm Auto caliber. The cartridge shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety, functioning, or use. **PRIMER:** The ammunition shall have a centerfire primer, compatible with the 10mm Auto caliber, of the **Large Pistol** type, seated between **flush and 0.008" below the face of the case**, in accordance with SAAMI. The primer shall not detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or less than **76 mm (seventy-six millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of ANSI/SAAMI Z299.3. The primer shall detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or greater than **343 mm (three hundred and forty-three millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3,** ensuring reliable ignition in compatible weapons. **CASE** The cartridge shall have a metallic case made of a **brass alloy** or technically equivalent material, with dimensions, tolerances, and strength compatible with the 10mm Auto caliber, in accordance with the SAAMI drawing, allowing safe, reliable, and interchangeable functioning.	359378	Unit	**485.534**

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OPERATIONAL PROJECTILE

The projectile shall be of the **FMJ (Full Metal Jacket) type, with a weight of 180 to 200 grains.**

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between **15.6 °C and 26.7 °C**, **the mean maximum chamber pressure**, measured by a **piezoelectric transducer, shall not exceed 37,500 psi**, in accordance with the criteria and methods established by **ANSI/SAAMI Z299.3** for the **10mm Automatic** caliber.

VELOCITY

The muzzle velocity shall be consistent with the typical ballistic performance of the 10mm Auto caliber for projectiles in the range of **180 to 200 grains,** when measured in a test barrel in accordance with the specifications of **ANSI/SAAMI Z299.3**, and the ammunition shall operate within the maximum pressure limit established by the standard and exhibit safe, stable, and reliable functioning.

The standard deviation of the velocities shall not exceed **25 (twenty-five) feet per second (fps),** as verified in a minimum series of **20 (twenty) shots.**

FUNCTIONING AND SAFETY:

The ammunition shall exhibit reliable functioning in firearms compatible with the 10mm Auto caliber, with no failures of ignition, feeding, extraction, or ejection being permitted, and shall fully meet the safety, interchangeability, and functional performance requirements established by the SAAMI standard.

PACKAGING

The ammunition shall be packaged in **honeycomb-type packaging** or a functionally equivalent system, so as to remain physically separated from one another, in quantities of **50 (fifty) units** per primary package.

The primary packages shall be packed in secondary boxes of rigid cardboard or technically equivalent material, with a maximum limit of **1,000 (one thousand) units** per box, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, in Portuguese, with instructions on use, storage, and limitations of the material, made of durable material or a technically equivalent solution.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; the shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

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	The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
13 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of ammunition, **caliber 10mm Automatic (10mm Auto),** intended for use by specialized and conventional units, for advanced training, technical instruction, institutional activities, and operational use, in controlled environments, shooting ranges, and urban scenarios, where functional reliability, safety, ballistic control, predictable terminal performance, and shot repeatability are required. The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Army**, and shall also fully meet the applicable technical criteria of **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition,** with regard to dimensions, maximum permissible pressure, interchangeability, and test methods. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, fully complying with the dimensions and tolerances set forth in the SAAMI standard for the 10mm Auto caliber. The cartridge shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety, functioning, or use. **PRIMER** The ammunition shall have a centerfire primer, compatible with the 10mm Auto caliber, of the **Large Pistol type**, seated between **flush and 0.008" below the face of the case**, in accordance with SAAMI. The primer shall not detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or less than **76 mm (seventy-six millimeters)**, when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3.** The primer shall detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or greater than **343 mm (three hundred and forty-three millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3,** ensuring reliable ignition in compatible weapons. **CASE** The cartridge shall have a metallic case made of a **brass alloy** or technically equivalent material, with dimensions, tolerances, and strength compatible with the 10mm Auto caliber, in accordance with the	359378	Unit	**494.422**

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SAAMI drawing, allowing safe, reliable, and interchangeable functioning.

OPERATIONAL PROJECTILE

The projectile shall be of the **JHP (Jacketed Hollow Point) type**, with a lead core and metallic jacket, designed for **controlled expansion**, predictable terminal behavior, and penetration compatible with operational applications in urban environments, **with a weight of 180 to 200 grains.**

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between **15.6 °C and 26.7 °C**, the **mean maximum chamber pressure**, measured by a **piezoelectric transducer**, **shall not exceed 37,500 psi**, in accordance with the criteria and methods established by **ANSI/SAAMI Z299.3 for the 10mm Automatic caliber.**

VELOCITY

The muzzle velocity shall be consistent with the typical ballistic performance of the 10mm Auto caliber for projectiles in the range of **180 to 200 grains,** when measured in a test barrel in accordance with the specifications of **ANSI/SAAMI Z299.3,** and the ammunition shall operate within the maximum pressure limit established by the standard and exhibit safe, stable, and reliable functioning.

The standard deviation of the velocities shall not exceed **25 (twenty-five) feet per second (fps),** as verified in a **minimum series of 10 (ten) shots.**

FUNCTIONING AND SAFETY

The ammunition shall exhibit reliable functioning in firearms compatible with the 10mm Auto caliber, with no failures of ignition, feeding, extraction, or ejection being permitted, and shall fully meet the safety, interchangeability, and functional performance requirements established by the SAAMI standard.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, so as to remain physically separated from one another, in quantities of 50 (fifty) units per primary package.

The primary packages shall be packed in secondary boxes of rigid cardboard or technically equivalent material, with a maximum limit of 1,000 (one thousand) units per box, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, in Portuguese, with instructions on use, storage, and limitations of the material, made of durable material or a technically equivalent solution.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

	TECHNICAL ASSISTANCE The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
14 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle Supplementary Description: The conventional ammunition described in these technical specifications shall be intended for **operational use and training**, in caliber **.300 Blackout (300 AAC Blackout),** in **subsonic configuration,** certified in accordance with **Ordinance No. 189-EME of the Brazilian Army.** The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc. It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function, and the conventional ammunition to be supplied shall allow proper use in any firearm chambered in .300 Blackout. **CHAMBER PRESSURE** In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 55,000	486813	Unit	**495.292**

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psi.

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*), shall be consistent with the typical ballistic performance of the .300 Blackout caliber in subsonic configuration, taking into account the weight of the projectile used, as measured in accordance with the methods of ANSI/SAAMI or CIP.

The standard deviation of the velocities shall not exceed **20 (twenty) feet per second (fps)**, as verified in a minimum series of **10 (ten) shots**, in accordance with a method consistent with ANSI/SAAMI Z299.4.

If the ammunition is homologated by the Commission Internationale Permanente pour l'Epreuve des Armes à Feu Portatives (C.I.P.), it shall meet all the requirements of the C.I.P. standards, and shall be available for consultation on the website https://bobp.cipbobp.org/en/homologation_public;

OPERATIONAL PROJECTILE

The projectile shall be of the **FMJ (Full Metal Jacket) type**, **non-expanding**, with a metallic jacket and lead core, designed for **flight stability in the subsonic regime**, reliable functioning, and predictable ballistic behavior.

The nominal weight of the projectile shall be between 190 and 220 grains.

SEALANT

A **sealant** shall be applied at the joint between the case and the primer, so as to prevent contamination by moisture, weathering, or liquid or oily agents, including in situations of accidental submersion.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to **1,000 (one thousand) units of ammunition**, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a **manual or information card**, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

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	TECHNICAL ASSISTANCE The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
15 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of conventional ammunition, caliber .**45 ACP (.45 Automatic / .45 Auto),** intended for **operational use and training,** for use by specialized and conventional units, in controlled environments, shooting ranges, and urban scenarios, where **functional reliability, safety, ballistic control, predictable terminal performance, and shot repeatability are required**. The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Army**, and shall also fully meet the applicable technical criteria of **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition** and/or the standards of **the Commission Internationale Permanente pour l'Épreuve des Armes à Feu Portatives (C.I.P.)**, with regard to dimensions, maximum permissible pressure, interchangeability, and test methods. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge of high quality and chemical stability, suitable for the .45 ACP caliber, complying with the pressure limits established by ANSI/SAAMI Z299.3 or C.I.P., and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function. The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .45 ACP. **SEALING**	359378	Unit	**485.534**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 200 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 76 mm (seventy-six millimeters), as measured in accordance with the SAAMI method;

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 343 mm (three hundred and forty-three millimeters), as measured in accordance with the SAAMI method;

CHAMBER PRESSURE

In a series of 10 (ten) shots, with the ammunition conditioned at the reference temperature (21 °C), the mean maximum chamber pressure, measured by a piezoelectric transducer, **shall not exceed 21,000 psi**, as established by **ANSI/SAAMI Z299.3** for the **.45 ACP caliber.**

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete) shall be approximately 255 m/s, with an allowable variation of up to ± 5%, at 21 °C, and the standard deviation of the velocities shall not exceed 9 m/s, calculated by a statistical method consistent with ANSI/SAAMI Z299.3;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (provete), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method.

OPERATIONAL PROJECTILE

The projectile shall be of the **JHP (Jacketed Hollow Point) type, expanding, with a weight of 230 grains.**

SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee; other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned.

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	WARRANTY The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
16 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 9 Type: Luger +P (9 × 19) JHP Weight: 147 gr Application: 9mm Pistols and Submachine Guns Additional Features: Expanding, Hollow Point, Jacketed **Supplementary Description:** Conventional ammunition, caliber 9x19 mm, for operational use, with a projectile specially designed to perform with mass loss, in caliber 9x19 mm, equipped with state-of-the-art technology, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the	626167	Unit	**3.994.656**

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propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection.

It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion.

The ammunition shall be constructed of materials that provide performance compatible with its operational purpose.

The ammunition shall allow proper use in any firearm chambered in 9x19 mm.

SEALING

The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26.

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24.

PRIMER SAFETY

The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

VELOCITY

In a series of 20 shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **270 m/s and 310 m/s**, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (provete), the dispersion between the farthest points shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point – Expandable Hollow Point) type, with a weight between **147 and 150 grains.**

The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocols, shall meet the following requirements:

Penetration: between 12" (twelve inches) and 17" (seventeen inches).

Expansion: average minimum expansion of 40% (forty percent).

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	Mass retention: after shots fired into bare gelatin, heavy clothing, and automotive glass, the largest portion of the expanded projectile shall retain, on average, at least 95% of its original mass. **Jacket:** no separation shall occur between the jacket and the core. **SEALANT** The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water. The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water. **PACKAGING** The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee. Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified. **WARRANTY** The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture. After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor. The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration. The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.			
17 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Copper/Tin/Zinc Alloy Caliber: 9 mm	640402	Unit	**2.982.647**

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Type: Luger +P (9 × 19) JHP

Weight: 124 gr

Application: 9mm Caliber Pistol

Additional Features: Expanding, Hollow Point, Jacketed

Supplementary Description: Conventional ammunition, caliber 9x19 mm, for operational use and training, equipped with a Full Metal Jacket (FMJ) projectile, featuring state-of-the-art technology, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE).

The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P.

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use.

It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old.

It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution.

It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection.

It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion.

The ammunition shall be constructed of materials that provide performance compatible with its operational and training purposes.

The ammunition shall allow proper use in any firearm chambered in 9x19 mm.

SEALING

The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26.

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24.

PRIMER SAFETY

The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

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VELOCITY

In a series of 20 shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **340 m/s and 375 m/s**, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the dispersion between the farthest points shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the FMJ type, with a nominal weight of **124 grains**, subject to the manufacturer's manufacturing tolerances, provided that the specifications of ANSI/SAAMI Z299.3-2022 or C.I.P. are met.

The projectile shall have a lead core fully enclosed by a metallic jacket, remaining intact during firing and meeting the manufacturer's dimensional and ballistic specifications.

The jacket shall not exhibit cracks, fissures, detachment, or deformations that compromise the functioning of the ammunition.

SEALANT

The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water.

The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee.

Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified.

WARRANTY

The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture.

After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed.

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	TECHNICAL ASSISTANCE The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor. The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration. The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.			
18 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Copper/Tin/Zinc Alloy Caliber: 9 mm Type: Luger +P (9 × 19) JHP Weight: 124 gr Application: 9mm Caliber Pistol Additional Features: Expanding, Hollow Point, Jacketed **Supplementary Description:** Conventional ammunition, caliber 9×19 mm, for operational use, equipped with a projectile specially designed to provide controlled expansion and high terminal performance, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The ammunition shall be constructed of materials that provide performance compatible with its operational purpose. The ammunition shall allow proper use in any firearm chambered in 9×19 mm.	640402	Unit	**3.994.414**

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SEALING

The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26.

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24.

PRIMER SAFETY

The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between 340 m/s and 375 m/s, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the dispersion between the centers of the farthest impacts shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point) type, with a nominal weight of **124 grains.**

The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocols, shall meet the following requirements:

Penetration: between 12" (twelve inches) and 17" (seventeen inches).

Expansion: average minimum expansion of 40% (forty percent).

Mass retention: after shots fired into bare gelatin, heavy clothing, and automotive glass, the largest portion of the expanded projectile shall retain, on average, at least 95% of its original mass.

Jacket: no separation shall occur between the jacket and the core.

SEALANT

The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water.

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	The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water. **PACKAGING** The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee. Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified. **WARRANTY** The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture. After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor. The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration. The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.			
19 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Hollow Point Weight: 155 gr Application: S&W Pistol, Caliber .40 Additional Features: Expanding **Supplementary Description:** Conventional ammunition, caliber .40 S&W, for operational use and training, with a projectile specially designed to perform with mass loss in caliber .40 S&W, equipped with state-of-the--art technology, certified in accordance with Ordinance No. 189-EME of	480448	Unit	**1.993.086**

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the Brazilian Army.

The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the ANSI/SAAMI Z299.3-2022 and/or C.I.P. drawing.

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use.

It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old.

It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution.

It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection.

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion.

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function.

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .40 S&W.

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm (fifty-one millimeters), as measured in accordance with the SAAMI method;

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm (two hundred and forty millimeters), as measured in accordance with the SAAMI method;

CHAMBER PRESSURE

In a series of shots conditioned at 21 °C, the mean chamber pressure shall comply with the acceptable parameters, as measured in accordance with the SAAMI Z299.3-2022 or C.I.P. method;

VELOCITY

In a series of shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*) shall be 300 ± 27 m/s, at 21 °C, and no ammunition from the same manufacturing lot may have a

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standard deviation greater than 9 m/s (nine meters per second) from the measured mean;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (provete), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method;

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point – Expanding Hollow Point) type, with a weight of 180 grains. The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocol standard, shall be as follows:

Penetration: shall penetrate not less than an average minimum of 12" (twelve inches) and not more than an average maximum of 17" (seventeen inches);

Expansion: after the shots fired, the recovered projectiles shall have an average minimum expansion of 40% (forty percent);

Weight: after firing in all the items determined in these Technical Specifications (bare gelatin, heavy clothing, and automotive glass), the largest portion of the expanded projectile shall retain not less than 95% of the original projectile, on total average;

Jacket: the jacket shall not separate from the core.

SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee;

Other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original

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	packaging shall be 01 (one) year. **<u>TECHNICAL ASSISTANCE</u>** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
20 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Flat Point Weight: 160 gr Application: S&W Pistol, Caliber .40 **Supplementary Description**: Conventional ammunition, caliber .40 S&W, for operational use and training, with a projectile specially designed to perform with mass loss in caliber .40 S&W, equipped with state-of-the-art technology, certified in accordance with Ordinance No. 189-EME of the Brazilian Army. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the ANSI/SAAMI Z299.3-2022 and/or C.I.P. drawing. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function. The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .40 S&W.	242724	Unit	**986.950**

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SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm (fifty-one millimeters), as measured in accordance with the SAAMI method;

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm (two hundred and forty millimeters), as measured in accordance with the SAAMI method;

CHAMBER PRESSURE

In a series of shots conditioned at 21 °C, the mean chamber pressure shall comply with the acceptable parameters, as measured in accordance with the SAAMI Z299.3-2022 or C.I.P. method;

VELOCITY

In a series of shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*) shall be 300 ± 27 m/s, at 21 °C, and no ammunition from the same manufacturing lot may have a standard deviation greater than 9 m/s (nine meters per second) from the measured mean;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the FMJ (Full Metal Jacket) type, with a weight of 180 grains.

Jacket: the jacket shall not separate from the core.

SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

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	Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee; other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; the shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
21 (OPEN COMPETITION)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 5.56 × 45 Type: Elada SS109 Weight: 62 gr Application: 5.56 × 45 mm Rifle **Supplementary Description:** Conventional ammunition, caliber 5.56 × 45 mm NATO, intended for use in preventive overt policing by the military police, equipped with an SS109-type projectile specially developed to provide greater penetration capability against targets protected by light armor and against unarmored targets, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of STANAG 4172, Edition 3, and NATO AEP-97, Edition A, Version 1. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution.	626164	Unit	**1.992.572**

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It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection.

The ammunition shall be constructed of materials that provide performance compatible with its operational purpose.

The ammunition shall allow proper use in any firearm chambered in 5.56 × 45 mm NATO.

SEALING

The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26.

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 200 N, in accordance with the NATO method AEP-97, Edition A, Section 24.

PRIMER SAFETY

The primer shall not detonate when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm, in accordance with the NATO method AEP-97, Edition A, Section 23.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm, in accordance with the NATO method AEP-97, Edition A, Section 23.

CHAMBER PRESSURE:

In a series of 20 (twenty) shots, with the ammunition conditioned at a temperature of 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer compatible with the NATO methodology, shall be equal to or less than 445 MPa, in accordance with the NATO method AEP-97, Edition A, Section 12.

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 24 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **900 m/s and 960 m/s**, in accordance with the NATO method AEP-97, Edition A, Section 12.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of 10 (ten) shots, fired at 550 m (five hundred and fifty meters), the maximum dispersion of the group, measured between the centers of the farthest impacts, shall not exceed 200 mm, in accordance with the NATO method AEP-97, Edition A, Section 18.

Considering the limited availability of facilities for conducting tests in ballistic tunnels or ranges with a distance of 550 m, a technical report issued by an accredited laboratory, produced at a shorter distance, may be accepted, provided that the methodology employed demonstrates technical equivalence to the test set forth in NATO AEP-97, its acceptance being subject to analysis and approval by the SSP Technical Committee.

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OPERATIONAL PROJECTILE

The projectile shall be of the NATO SS109 type, with a nominal weight of 62 grains, consisting of a lead core with a steel penetrator in the forward portion, in accordance with STANAG 4172.

SEALANT

A sealant capable of ensuring the waterproofing of the cartridge, including when submerged in water, shall be applied at the interface between the case and the primer, as well as between the case and the projectile.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes containing 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee.

Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified.

WARRANTY

The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture.

After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor.

The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration.

The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.

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22 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 1)	**Firearm Ammunition Projectile** Material: Lead Caliber: 12 Type: Gauge Model: #00 Buckshot Weight: 32 g Application: 12-Gauge Shotgun **Complementary Description:** The conventional ammunition described in this specification is intended for use in policing activities, and must exhibit reliable ballistic performance, adequate target energy transfer, and full compatibility with 12-Gauge shotgun firearms. **CARTRIDGE** The cartridge shall feature **multiple buckshot projectiles**, Size **00** (#00 buck), containing **8 (eight) or 9 (nine), lead pellets**, with a **nominal diameter of approximately 8.4 mm**, in accordance with the Size of Buck: '00' classification adopted by **ANSI/SAAMI Z299.2-2019.** The projectile–charge–case assembly shall be specially prepared to optimize ballistic performance, ensuring functional regularity, pressure stability, and proper energy transfer, in compliance with applicable regulatory limits. The cartridge shall be assembled in accordance with the manufacturer's technical drawings and the standardized drawings and dimensions of the ANSI/SAAMI Z299.2-2019 standard. It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, punctures, corrosion, or any other defect that compromises its safety or employment. It must feature a propellant charge of optimal quality and chemical stability, provided that the propellant charge shall be assembled with a gunpowder lot having a maximum elapsed time of two years between manufacture and its use in the lot of ammunition under inspection. The cartridges shall be manufactured with materials of optimal quality, and the cartridge hull shall be red in color. Preferably, the cartridges shall be closed/crimped using a star crimp. **VELOCITY** In a series of shots, the arithmetic mean of the velocities, measured at 1 yard (0.9144 m) from the muzzle of the test barrel, shall range between: 1,125 fps and 1,325 fps, measured in accordance with the test method established by ANSI/SAAMI Z299.2-2019, using a barrel and instrumentation compatible with the standard. **PACKAGING** It is desirable that the ammunition be packaged as follows: Sturdy cardboard boxes, containing 25 (twenty-five) cartridges each; The small boxes shall be packed in a corrugated cardboard box, containing:	623975	Unit	**8.705**

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- 10 (ten) small boxes, totaling

- 250 (two hundred and fifty) rounds per box.

Each box shall also contain a manual or information card, written in Portuguese, containing instructions on the use, preservation, limits, and restrictions of the material.

Made of quality and resistant paper

WARRANTY

The winning bidder shall provide a permanent warranty for the product (ammunition) against manufacturing defects or flaws, provided they are stored in packaging and special conditions, as indicated by the manufacturer.

SHELF LIFE

The validity of the ammunition shall be 10 (ten) years from its manufacture;
The validity of the ammunition after being removed from the original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make technicians and laboratories available to the Administration, upon request, to provide any technical information regarding components, analysis of product performance, or proof of required characteristics specified in these technical specifications, the costs of any such procedures being at the winning bidder's expense.

The manufacturer shall have 02 (two) business days to provide technical assistance, counting from the notification of the request to the company by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to replace the cartridges, counting from the notification of the technical assistance request, or even to promote their replacement, if necessary.

COMPATIBILITY

The conventional ammunition to be supplied must allow for appropriate use in any 12 Gauge 2¾" (70 mm) shotgun firearm.

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23 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 2)	**Firearm Ammunition Projectile** Material: Lead Caliber: 12 x 70 mm Type: High-Impact Buckshot 3T Weight: 32 g Application: Shotgun **Complementary Description:** The conventional ammunition described in this specification is intended for use in policing activities and must display reliable ballistic performance, adequate energy transfer to the target, and full compatibility with 12 Gauge shotgun firearms. **CARTRIDGE** The cartridge shall have **multiple projectiles of the Buckshot type**, size **4** (#4 Buck), containing between **27 (twenty-seven) and 34 (thirty-four) lead pellets**, with an approximate **nominal diameter of 6.1 mm**, pursuant to the Size of Buck: '4' classification adopted by **ANSI/SAAMI Z299.2-2019.** The projectile–charge–case assembly shall be specially prepared to optimize ballistic performance, ensuring operational consistency, pressure stability, and adequate energy transfer, while complying with applicable regulatory limits. The cartridge shall be assembled in accordance with the manufacturer's technical drawings and the standardized drawings and dimensions set forth in ANSI/SAAMI Z299.2-2019. It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a propellant charge with optimum quality and chemical stability, provided that the propellant charge must be formulated using a powder lot with a maximum of two years elapsed between its manufacture and its use in the lot of ammunition under inspection. The cartridges shall be manufactured with high-quality materials, and the cartridge body shall be red. Preferably, the cartridges shall be sealed/crimped by means of a star crimp. **VELOCITY** In a series of shots, the arithmetic mean of the velocities, measured at 1 yard (0.9144 m) from the muzzle of the test barrel, shall fall between 1,250 fps and 1,325 fps, measured in accordance with the test method established by ANSI/SAAMI Z299.2-2019, using a barrel and instrumentation compatible with the standard. **PACKAGING** It is desirable that the ammunition be packaged as follows: Heavy-duty cardboard boxes, containing 25 (twenty-five) cartridges each; The boxes shall be packaged in a corrugated cardboard box, containing:	629015	Unit	**8.602**

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	- 10 (ten) inner boxes, totaling - 250 (two hundred and fifty) rounds of ammunition per box. Each box shall also contain an instruction manual or information card, written in Portuguese, containing guidance on the use, preservation, limitations, and restrictions of the material. Made of durable, high-quality paper. **WARRANTY** The winning bidder shall provide a permanent warranty for the product (ammunition) against manufacturing defects or vices, provided that they are preserved in special packaging and conditions, as indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from its date of manufacture; The shelf life of the ammunition after being removed from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, performance analyses of the product, or proof of characteristics required in these technical specifications, the costs of any such procedures being at the expense of the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counting from the notification of the request sent to the company by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to exchange the cartridges, counting from the notification of the request for technical assistance, or to replace them, if necessary. **COMPATIBILITY** The conventional ammunition to be supplied shall allow proper use in any shotgun-type firearm of 12 gauge, 2¾" (70 mm).			
24 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 3)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 x 45 mm Type: Common Weight: 55 gr Application: Rifle and Submachine Gun **Complementary Description:** The ammunition described in this specification is intended for operational use in 5.56×45 mm caliber machine guns employed in defense, public security, or military operations. It shall exhibit a high level of reliability, mechanical robustness, and consistent ballistic performance, including under sustained automatic fire. The ammunition shall comply with the requirements established in Brazilian Army Ordinance No. 189-EME, as well as with the applicable technical criteria set forth in STANAG 2310 (Edition 3), STANAG 4170, STANAG 2329, and STANAG 2311, and with the NATO AEP-97 (Edition A) test procedures.	291740	Unit	**7.490**

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The cartridge shall be assembled in accordance with the manufacturer's technical specifications and drawings, as well as the requirements set forth in STANAG 4172 Ed. 3;

It must be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises the safety, reliability, or operational use of the ammunition.

The ammunition shall be fitted with a non-corrosive Boxer-type primer, suitable for use in automatic weapons chambered for 5.56×45 mm cartridges and shall be of high quality to ensure reliable and safe ignition.

The primers used shall originate from recent production lots and shall comply with the safety, sensitivity, and functioning requirements established in AEP-97 (Section 23).

The cartridge case shall be of high quality and manufactured from a special brass alloy containing 70% copper and 30% zinc, or from an alternative material demonstrated to provide superior performance.

The propellant charge shall be of high quality and exhibit chemical stability, complying with the functional and ballistic requirements established in MIL-C-9963F and STANAG 4172, as well as the test methods specified in AEP-97. It shall not adversely affect the ballistic characteristics of the ammunition.

The propellant shall originate from production lots for which no more than two years have elapsed between the date of manufacture and its use in the ammunition lot submitted for inspection.

The conventional ammunition to be supplied shall be suitable for use in any 5.56×45 mm NATO-caliber machine gun.

SEALING

The cartridge shall not emit more than one air bubble within 30 seconds when subjected to a pressure exceeding 50 kPa, as measured in accordance with the NATO test method specified in AEP-97 (Edition A, Section 26).

BULLET CRIMP (bullet pull)

The bullet pull force required to separate the projectile from the cartridge case shall be equal to or greater than 157 N, as established in standard MIL-C-9963F, measured in accordance with the applicable test method.
Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g steel ball dropped from a height equal to or less than 75 mm (seventy-five millimetres), measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimetres), measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a firing series, with the ammunition conditioned at 21 °C, the mean of the chamber pressures recorded using a 6215 piezoelectric transducer shall be equal to or less than 445 MPa, as measured in accordance with

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the NATO test method (AEP-97, Edition A, Section 12);

VELOCITY

In a firing series, the arithmetic mean of the velocities, measured at 24 m from the muzzle of the test barrel, shall be **965 ± 12 m/s**, with the ammunition conditioned at 21 °C, as established in standard **MIL-C-9963F** and in accordance with the test methods provided for in **AEP-97 (Edition A, Section 12).**

PRECISION

In a firing series at 550 m (five hundred and fifty metres), the mean standard deviation shall not exceed 200 mm (two hundred millimetres), as measured in accordance with the NATO test method (AEP-97, Edition A, Section 18); given the difficulty of conducting tests in ballistic tunnels at the distance prescribed in the standard, a technical report may be submitted for shorter distances, describing in detail the methodology employed and demonstrating that all variables have been taken into account in verifying the accuracy of the projectiles, subject to evaluation and validation by the technical committee of the SSP.

OPERATIONAL PROJECTILE:

The projectile shall be **compatible with the 5.56×45 mm M193 type standard,** as specified in **MIL-C-9963F, with a weight of 55 grains, full metal jacket with a lead core.**

Feeding by NATO-standard disintegrating metallic links (M27 or equivalent);

The links shall ensure continuous, failure-free feeding, allowing automatic separation during firing;

SEALANT

A sealant shall be applied at the case-to-primer and case-to-projectile interfaces so as to render the cartridge watertight, including when submerged in water.

PACKAGING

The ammunition shall be supplied as linked ammunition, belted on disintegrating metallic links suitable for belt-fed automatic weapons chambered for the 5.56 × 45 mm NATO cartridge, in accordance with the applicable military standards.

The ammunition shall be packed in commercial packs of 100 (one hundred) cartridges each, belted on NATO-standard M27 (or equivalent) disintegrating links, so as to preserve the integrity of the links and of the belted ammunition and to ensure safety during transport and handling.

The outer pack shall be a metal container with a maximum capacity of 1,000 (one thousand) cartridges and shall protect the cartridges and links against shock, moisture, dust and other environmental hazards.

The maximum capacity of the outer pack shall be 1,000 (one thousand) cartridges, unless a solution demonstrated to be superior is approved by the SSP technical committee.

Each package shall be legibly and indelibly marked with, as a minimum, the following information:

-Caliber;
-Ammunition type;
-Quantity;
-Link type;
-Date of manufacture;

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	-Lot number; -Manufacturer identification Each package shall be accompanied by a manual or information card, in the Portuguese language, containing instructions for use, preservation, transport, and safety warnings. **WARRANTY** Each package shall be accompanied by a manual or information card, in Portuguese, containing instructions for use, storage and transport, as well as safety warnings. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from the original packaging shall be 1 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information on the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 2 (two) working days to provide technical assistance, counted from the date on which the company is notified of the request by the Public Administration. The manufacturer shall have 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from notification of the request for technical assistance, or to provide a substitute, if necessary.			
25 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 4)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 X 45 MM Type: Common Weight: 55 grains Application: Rifle and machine gun **Supplementary Description:** The ammunition is intended for operational use in automatic and semi-automatic weapons chambered for 5.56×45 mm NATO, for institutional use in public security or defense activities, providing consistent ballistic performance, penetration control and reliability under adverse conditions. The ammunition shall conform to the requirements of Brazilian Army Ordinance No. 189-EME and shall satisfy the applicable technical criteria of MIL-C-9963F and STANAG 4172 (Edition 3), as well as the NATO test procedures set out in AEP-97 (Edition A). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 4172 Ed. 3 drawing; The ammunition shall be correctly identified, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion or any other defect that compromises the safety, reliability or operational use of the ammunition.	291740	Unit	**6.855**

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The ammunition shall be fitted with a high-quality Boxer-type primer suitable for 5.56×45 mm cartridges, ensuring reliable and safe ignition.

The primers used shall be taken from recently manufactured lots and shall meet the safety, sensitivity and functioning requirements established in AEP-97 (Edition A, Section 23).

It must have a high-quality cartridge case, made of a special brass alloy of 70% copper and 30% zinc, or a proven superior solution;

The propellant charge shall be of high quality and exhibit chemical stability, in accordance with the applicable requirements of MIL-C-9963F and STANAG 4172, as well as the relevant test procedures set forth in AEP-97. It shall not adversely affect the ballistic characteristics of the ammunition.

The propellant shall be sourced from production lots for which no more than two years have elapsed between the date of manufacture and its incorporation into the ammunition lot submitted for inspection.

The conventional ammunition to be supplied shall be suitable for use in any firearm chambered for 5.56×45 mm NATO ammunition.

SEALING

The cartridge shall not emit more than one air bubble within 30 seconds when subjected to a pressure exceeding 50 kPa, as measured in accordance with the NATO test method specified in AEP-97 (Edition A, Section 26).

BULLET CRIMP (bullet pull)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 157 N, as established in standard MIL-C-9963F, measured in accordance with the applicable test method.
Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY:

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

VELOCITY

In a series of 20 (twenty) shots, with ammunition conditioned at 21 °C, the mean velocity, measured at 24 meters from the muzzle of the test barrel, in accordance with the methodology set forth in AEP-97 (Edition A, Section 12), shall be consistent with the ballistic performance of the 5.56×45 mm NATO caliber, taking into account the mass and type of projectile used.

The standard deviation of the velocities shall not exceed 15 m/s, as measured in accordance with the methodology of AEP-97 (Edition A,

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Section 12).

PRECISION

The ammunition shall be evaluated by means of five (5) independent series of five (05) shots each, totaling 25 shots, conducted under controlled conditions, in accordance with the methodology set forth in AEP-97 (Edition A, Section 18).

For acceptance purposes, the ammunition shall demonstrate a **mean accuracy not exceeding 3.0 MOA (three minutes of angle)**, measured at **100 meters**, considering the mean grouping of the firing series (Mean Radius), thereby ensuring ballistic consistency and predictability of the point of impact, taking into account the test distance adopted.

OPERATIONAL PROJECTILE:

Expanding monolithic projectile, manufactured entirely from metallic material (copper or equivalent alloy), lead-free, **with a weight of not less than 60 grains, and a design that provides controlled expansion.**

SEALANT

A sealant shall be applied at the case-primer and case-projectile joints to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to **1,000 (one thousand) units** of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a **manual or information card**, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.

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	The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
26 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 5)	**Projectile Ammunition Firearm** Material: Lead Caliber: 5.56 X 45 MM Type: Common Weight: 55 grains Application: Rifle and machine gun **Supplementary Description:** The ammunition is intended for technical-operational and precision use in automatic and semi-automatic weapons chambered in 5.56×45 mm NATO, including rifles and platforms designed for precision shooting, and shall exhibit a high degree of ballistic uniformity, excellent manufacturing consistency, and a high standard of accuracy, consistent with the concept of MATCH-type ammunition. The ammunition shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army, and shall also meet the applicable technical criteria of the standards MIL-C-9963F, STANAG 4172 (Edition 3), and the NATO test procedures AEP-97 (Edition A). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 4172 Ed. 3 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises the safety, reliability, or operational use of the ammunition. A munição deverá possuir espoleta do tipo Boxer, adequada ao uso em cartuchos calibre 5,56×45 mm, de ótima qualidade, assegurando ignição confiável e segura. The ammunition shall be fitted with a Boxer-type primer, suitable for use in 5.56×45 mm caliber cartridges, of excellent quality, ensuring reliable and safe ignition. The primers used shall originate from recent manufacturing lots, compatible with the safety, sensitivity, and functioning requirements established in AEP-97 (Section 23). It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution; The propellant charge shall be of excellent quality and chemical stability, being compatible with the functional and ballistic requirements established in MIL-C-9963F, STANAG 4172, and in the test methods of AEP-97, and shall not adversely affect the ballistic characteristics of the ammunition. The propellant used shall come from manufacturing lots in which no more than two years have elapsed between their manufacture and their use in the ammunition lot submitted for inspection. The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 5.56 x 45 mm NATO	291740	Unit	**5.563**

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SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (bullet pull)

The force required to extract (pull) the projectile from the cartridge case shall be **equal to or greater than 157 N**, as established in standard **MIL-C-9963F,** measured in accordance with the applicable test method. . Higher values may be accepted, provided that they do not compromise the ballistic performance of the ammunition.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

VELOCITY

In a series of 20 (twenty) shots, with ammunition conditioned at 21 °C, the mean velocity, measured at 24 meters from the muzzle of the test barrel, in accordance with the methodology set forth in AEP-97 (Edition A, Section 12), **shall fall within the typical range for 5.56×45 mm MATCH ammunition with 69 to 77 grain projectiles,** ensuring safe functioning and consistent ballistic performance.

The standard deviation of the velocities shall not exceed 15 m/s, as measured in accordance with the methodology of AEP-97 (Edition A, Section 12).

PRECISION

The ammunition shall be evaluated in accordance with the methodology set forth in NATO AEP-97 (Edition A, Section 18), by means of five (5) independent series of five (5) shots each, totaling 25 (twenty-five) shots, conducted under controlled conditions.

For acceptance purposes, the ammunition shall demonstrate a **mean accuracy not exceeding 1.5 MOA (one and a half minutes of angle), measured at 100 meters**, considering the mean grouping of the firing series (Mean Radius).

OPERATIONAL PROJECTILE

Match precision projectile, full metal jacket, with a metallic core (lead or equivalent alloy), **with a weight of not less than 69 grains**, and geometry optimized for gyroscopic stability and a high ballistic coefficient.

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SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to **1,000 (one thousand) units of ammunition**, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a **manual or information card,** made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.
The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.

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27 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 6)	**Projectile Ammunition Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle. **Supplementary Description:** Military and police ammunition, caliber **7.62 × 51 mm NATO (BALL)**, supplied in **metallic disintegrating-link belts**, intended for use especially in machine guns for operational activities, training, and institutional use, fully complying with the international NATO standards (STANAG). The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army** and shall also meet the applicable technical criteria of the standards **STANAG 2310 Ed. 3, STANAG 4170, STANAG 2329 / STANAG 2311, and the NATO test procedures AEP-97 (Edition A).** The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the STANAG 2310 Ed. 3 drawing; It must be correctly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots with a maximum of manufacture; It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function; The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 7.62 x 51 mm. **SEALING** The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26); **BULLET CRIMP (bullet pull)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 265 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);	486813	Unit	**5.490**

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PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer, shall be equal to or less than 445 MPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 12);

VELOCITY

In a series of 20 (twenty) shots, the mean velocity, measured at 24 meters from the muzzle of the barrel, shall be approximately 883 m/s (± 15 m/s), in accordance with the test methodology defined in AEP-97, Section 12, and in conformity with the ballistic parameters of 7.62 × 51 mm NATO ammunition.

PRECISION

In a series of shots, at 550 m (five hundred and fifty meters), the mean standard deviation shall not exceed 200 mm (two hundred millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 18); taking into account the difficulty of conducting tests in ballistic tunnels at the distance prescribed in the standard, a report may be submitted at shorter distances, describing in detail the methodology employed and demonstrating that all variables were taken into consideration in verifying the accuracy of the projectiles, to be evaluated and validated by the SSP Technical Committee;

OPERATIONAL PROJECTILE

The projectile shall be of 7**.62×51 mm NATO caliber**, **Ball** type, full metal jacket **(FMJ – Full Metal Jacket)**, with a **lead core or equivalent material**, without armor-piercing, tracer, or incendiary components, with a nominal weight between **144 and 147 grains**, compatible with the operational standard of the **M80 projectile or equivalent.**

The ammunition shall be supplied in a **metallic disintegrating-link belt**, **NATO standard (M13 type or equivalent).**

The links shall ensure continuous, failure-free feeding, allowing automatic separation during firing;

SEALANT

A sealant shall be applied at the case-primer and case-projectile joints to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be supplied in **linked configuration**, assembled in **disintegrating metallic links** suitable for feeding automatic weapons, compatible with the 7.62 × 51 mm NATO caliber, in accordance with applicable military standards.

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	The ammunition shall be packed in **commercial packaging containing 100 (one hundred) cartridges**, already assembled in belts (linked) to NATO standard M13 or equivalent, so as to preserve the integrity of the links and of the loaded assembly, ensuring safety during transport and handling. . The outer packaging shall be metallic and shall protect the cartridges and links against impact, moisture, dust, and external agents. The maximum capacity of the outer packaging shall be 1,000 (one thousand) cartridges, or a demonstrably superior solution approved by the SSP Technical Committee. Each package shall bear, in a legible and indelible manner, at a minimum, the following information: - Caliber; - Type of ammunition; - Quantity; - Type of link - Date of manufacture; - Manufacturing lot; - Manufacturer identification. Each package shall be accompanied by a **manual or information card,** in Portuguese, containing instructions for use, storage, transport, and safety warnings. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
28 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 7)	**Projectile Ammunition Firearm** Material: Brass Caliber: .308 Type: Winchester HPBT Sniper	628564	Unit	**4.092**

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Weight: 175 G

Application: Rifle and Machine Gun

Supplementary Description: Acquisition of **precision ammunition, caliber .308 Winchester**, intended for use by **specialized and special operations units, for** operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations.

The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army** and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods.

Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition.

The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing;

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use;

It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old;

It shall have a cartridge case of excellent quality, made of a high-quality brass alloy;

It shall have a propellant charge of excellent quality and chemical stability, complying with requirements for chemical stability, ballistic compatibility, and operational safety, in accordance with recognized international military or civilian technical standards, such as applicable STANAGs or equivalents;

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;
The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **.308 Win.**

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

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CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

In accordance with the criteria and equipment established by standard SSAMI Z299.4-2025, the muzzle velocity shall be from 2,550 to 2,600 fps (± 50 fps), with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C.

The standard deviation of the shot velocities shall not exceed 20 fps.

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE:

.308 caliber projectile, **Polymer Tip** type, with a polymer tip, metallic jacket, and lead core, nominal weight **180 grains,** suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

he ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of

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	manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **<u>TECHNICAL ASSISTANCE</u>** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
29 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 8)	**Projectile Ammunition Firearm** Material: Lead Caliber: 308 Win Type: 308 Win Weight: 125gr Application: .308 Win Firearms **Supplementary Description:** Acquisition of **precision ammunition, caliber .308 Winchester**, intended for use by **specialized and special operations units**, for operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations. The ammunition **shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army**, and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with requirements for chemical stability, ballistic compatibility, and operational safety, in accordance with recognized international military or civilian technical standards, such as applicable STANAGs or equivalents.	626166	Unit	**4.362**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **.308 Win.**

SEALING:

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

In accordance with the criteria and equipment established by standard SSAMI Z299.4-2025, the muzzle velocity shall be from 2,550 to 2,600 fps (± 50 fps), with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C.

The standard deviation of the shot velocities shall not exceed 20 fps.

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm),** as measured by an appropriate instrument.

OPERATIONAL PROJECTILE:

.308 caliber projectile, **Polymer Tip** type, with a polymer tip, metallic jacket, and lead core, nominal weight between **110 and 125 grains**, suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

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SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

30 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 9)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of **precision ammunition, caliber 6.5 Creedmoor**, intended for use by **specialized and special operations units,** for operational activities, advanced training, and institutional use requiring **high ballistic precision**, including urban scenarios and precision marksman situations. The ammunition **shall comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army**, and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function; The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **6.5 Creedmoor.** **SEALING** The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);	486813	Unit	**6.617**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall be **consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm),** as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, **bonded** type, with a polymer tip, metallic jacket, and lead core, nominal weight of not less than **140 grains**, suitable for operational applications requiring high precision combined with controlled terminal performance.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the

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	SSP Technical Committee. Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
31 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 10)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of precision ammunition, caliber **6.5 Creedmoor,** intended for use by **specialized units,** for **advanced training, technical instruction, institutional activities, and use by precision marksmen**, in scenarios requiring **high ballistic precision, trajectory consistency, and shot repeatability**, including controlled urban environments and long-range shooting ranges. The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army**, and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI	486813	Unit	**15.503**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

Z299.4-2025 drawing;

It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use;

It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old;

It shall have a cartridge case of excellent quality, made of a high-quality brass alloy;

It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection;

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion;

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function;

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in 6.5 Creedmoor.

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall be **consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each.

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case shall be **equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, Boat-Tail Hollow Point (HPBT) type, with a metallic jacket and lead core, nominal weight between 140 (one hundred and forty) and 147 (one hundred and forty-seven) grains, designed for high ballistic precision, a high ballistic coefficient, and flight stability at medium and long distances, suitable for use by precision marksmen in advanced training activities and institutional use.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.

	the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
32 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 11)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle **Supplementary Description:** Acquisition of precision ammunition, caliber **6.5 Creedmoor**, intended for use by **specialized units, for advanced training, technical instruction, institutional activities, and use by precision marksmen**, in scenarios requiring **high ballistic precision, trajectory consistency, and shot repeatability,** including controlled urban environments and long-range shooting ranges. The ammunition shall **comply with the requirements established in Ordinance No. 189-EME of the Brazilian Army,** and shall also meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.4-2025 – Centerfire Rifle Ammunition**, for dimensions, pressure, and test methods. Test methods **equivalent** to those described in **NATO AEP-97** may be used, where applicable, solely as a methodological reference, in addition to other recognized international technical standards for precision ammunition. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the SAAMI Z299.4-2025 drawing; It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use; It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old; It shall have a cartridge case of excellent quality, made of a high-quality brass alloy; It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection; It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion; The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function; The conventional ammunition to be supplied shall allow proper use in any firearm chambered in **6.5 Creedmoor.**	486813	Unit	**8.771**

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SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm (seventy-five millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

PRIMER SENSITIVITY (functioning):

The primer shall detonate (fire) when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm (four hundred and fifty millimeters), as measured in accordance with the NATO method (AEP-97, Edition A, Section 23);

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 62,000 psi.

VELOCITY

The muzzle velocity shall **be consistent with the typical ballistic performance of the 6.5 Creedmoor caliber**, taking into account the weight and type of projectile used, in accordance with the methods of **ANSI/SAAMI Z299.4-2025.**

The **standard deviation of the velocities** shall not exceed **20 fps**, as verified in a minimum series of **20 shots.**

PRECISION

At 100 meters, the precision of the groups shall be equal to or less than 1.0 MOA (MOA – Minute of Angle – MOA at 100 meters = 29.07 mm), as verified in 5 series of 5 shots each

CONCENTRICITY

The concentricity deviation (runout) of the projectile relative to the axis of the case **shall be equal to or less than 0.005 in. (0.127 mm)**, as measured by an appropriate instrument.

OPERATIONAL PROJECTILE

6.5 Creedmoor caliber projectile, Boat-Tail Hollow Point (HPBT) type, with a metallic jacket and lead core, nominal weight between 130 (one hundred and thirty) and 140 (one hundred and forty) grains, designed for high ballistic precision, a high ballistic coefficient, and flight stability at medium and long distances, suitable for use by precision marksmen in advanced training activities and institutional use.

PROPELLANT

The propellant shall be suitable for the caliber, and the grain geometry and quantity shall be consistent and constant in order to maintain pressure and velocity.

SEALANT

A sealant shall be applied at the case-primer joint to waterproof the cartridge, including when submerged in water.

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PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;
The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.

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33 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 12)	**Projétil Munição Arma Fogo** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of ammunition, caliber **10mm Automatic (10mm Auto)**, intended for use by specialized and conventional units, **for training, technical instruction, institutional activities, and operational use**, in controlled environments, shooting ranges, and urban scenarios, where **functional reliability, safety, ballistic control, and shot repeatability are required.** The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Arm**y, and shall also fully meet the applicable technical criteria of the standard **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition,** with regard to dimensions, pressure, interchangeability, and test methods. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, fully complying with the dimensions and tolerances set forth in the SAAMI standard for the 10mm Auto caliber. The cartridge shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety, functioning, or use. **PRIMER** The ammunition shall have a centerfire primer, compatible with the 10mm Auto caliber, of the **Large Pistol** type, seated between **flush and 0.008" below the face of the case**, in accordance with SAAMI. The primer shall not detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or less than **76 mm (seventy-six millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of ANSI/SAAMI Z299.3. The primer shall detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or greater than **343 mm (three hundred and forty-three millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3,** ensuring reliable ignition in compatible weapons. **CASE** The cartridge shall have a metallic case made of a **brass alloy** or technically equivalent material, with dimensions, tolerances, and strength compatible with the 10mm Auto caliber, in accordance with the SAAMI drawing, allowing safe, reliable, and interchangeable functioning. **OPERATIONAL PROJECTILE** The projectile shall be of the **FMJ (Full Metal Jacket) type, with a weight of 180 to 200 grains.** **CHAMBER PRESSURE** In a series of shots, with the ammunition conditioned at a temperature between **15.6 °C and 26.7 °C**, **the mean maximum chamber pressure**, measured by a **piezoelectric transducer, shall not exceed 37,500 psi**, in accordance with the criteria and methods established by **ANSI/SAAMI**	359378	Unit	**14.466**

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	Z299.3 for the **10mm Automatic** caliber. **VELOCITY** The muzzle velocity shall be consistent with the typical ballistic performance of the 10mm Auto caliber for projectiles in the range of **180 to 200 grains,** when measured in a test barrel in accordance with the specifications of **ANSI/SAAMI Z299.3**, and the ammunition shall operate within the maximum pressure limit established by the standard and exhibit safe, stable, and reliable functioning. The standard deviation of the velocities shall not exceed **25 (twenty-five) feet per second (fps),** as verified in a minimum series of **20 (twenty) shots.** **FUNCTIONING AND SAFETY:** The ammunition shall exhibit reliable functioning in firearms compatible with the 10mm Auto caliber, with no failures of ignition, feeding, extraction, or ejection being permitted, and shall fully meet the safety, interchangeability, and functional performance requirements established by the SAAMI standard. **PACKAGING** The ammunition shall be packaged in **honeycomb-type packaging** or a functionally equivalent system, so as to remain physically separated from one another, in quantities of **50 (fifty) units** per primary package. The primary packages shall be packed in secondary boxes of rigid cardboard or technically equivalent material, with a maximum limit of **1,000 (one thousand) units** per box, or a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or information card, in Portuguese, with instructions on use, storage, and limitations of the material, made of durable material or a technically equivalent solution. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; the shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			

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34 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 13)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of ammunition, **caliber 10mm Automatic (10mm Auto),** intended for use by specialized and conventional units, for advanced training, technical instruction, institutional activities, and operational use, in controlled environments, shooting ranges, and urban scenarios, where functional reliability, safety, ballistic control, predictable terminal performance, and shot repeatability are required. The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Army**, and shall also fully meet the applicable technical criteria of **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition,** with regard to dimensions, maximum permissible pressure, interchangeability, and test methods. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, fully complying with the dimensions and tolerances set forth in the SAAMI standard for the 10mm Auto caliber. The cartridge shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety, functioning, or use. **PRIMER** The ammunition shall have a centerfire primer, compatible with the 10mm Auto caliber, of the **Large Pistol type**, seated between **flush and 0.008" below the face of the case**, in accordance with SAAMI. The primer shall not detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or less than **76 mm (seventy-six millimeters)**, when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3.** The primer shall detonate (fire) when struck by a **55 ± 0.5 g** ball dropped from a height equal to or greater than **343 mm (three hundred and forty-three millimeters),** when subjected to an impact test conducted by a method consistent with the criteria of **ANSI/SAAMI Z299.3,** ensuring reliable ignition in compatible weapons. **CASE** The cartridge shall have a metallic case made of a **brass alloy** or technically equivalent material, with dimensions, tolerances, and strength compatible with the 10mm Auto caliber, in accordance with the SAAMI drawing, allowing safe, reliable, and interchangeable functioning. **OPERATIONAL PROJECTILE** The projectile shall be of the **JHP (Jacketed Hollow Point) type**, with a lead core and metallic jacket, designed for **controlled expansion**, predictable terminal behavior, and penetration compatible with operational applications in urban environments, **with a weight of 180 to**	359378	Unit	**5.578**

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200 grains.

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature between **15.6 °C and 26.7 °C**, the **mean maximum chamber pressure**, measured by a **piezoelectric transducer**, **shall not exceed 37,500 psi**, in accordance with the criteria and methods established by **ANSI/SAAMI Z299.3 for the 10mm Automatic caliber.**

VELOCITY

The muzzle velocity shall be consistent with the typical ballistic performance of the 10mm Auto caliber for projectiles in the range of **180 to 200 grains,** when measured in a test barrel in accordance with the specifications of **ANSI/SAAMI Z299.3,** and the ammunition shall operate within the maximum pressure limit established by the standard and exhibit safe, stable, and reliable functioning.

O desvio padrão das velocidades não deverá ser superior a **25 (vinte e cinco) pés por segundo (fps)**, aferido em série **mínima de 10 (dez) disparos.** The standard deviation of the velocities shall not exceed **25 (twenty-five) feet per second (fps),** as verified in a **minimum series of 10 (ten) shots.**

FUNCTIONING AND SAFETY

The ammunition shall exhibit reliable functioning in firearms compatible with the 10mm Auto caliber, with no failures of ignition, feeding, extraction, or ejection being permitted, and shall fully meet the safety, interchangeability, and functional performance requirements established by the SAAMI standard.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, so as to remain physically separated from one another, in quantities of 50 (fifty) units per primary package.

The primary packages shall be packed in secondary boxes of rigid cardboard or technically equivalent material, with a maximum limit of 1,000 (one thousand) units per box, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or information card, in Portuguese, with instructions on use, storage, and limitations of the material, made of durable material or a technically equivalent solution.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request

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	by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
35 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 14)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 7,62 X 51 Type: Common Application: Rifle Supplementary Description: The conventional ammunition described in these technical specifications shall be intended for **operational use and training**, in caliber **.300 Blackout (300 AAC Blackout),** in **subsonic configuration,** certified in accordance with **Ordinance No. 189-EME of the Brazilian Army.** The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc. It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or an equivalent international technical standard, that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function, and the conventional ammunition to be supplied shall allow proper use in any firearm chambered in .300 Blackout. **CHAMBER PRESSURE** In a series of shots, with the ammunition conditioned at a temperature between 15.6 °C and 26.7 °C, the mean maximum chamber pressure, recorded by means of a piezoelectric transducer, shall not exceed 55,000 psi. **VELOCITY** In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*), shall be consistent with the typical ballistic performance of the .300 Blackout caliber in subsonic configuration, taking into account the weight of the projectile used, as measured in accordance with the methods of ANSI/SAAMI or CIP. The standard deviation of the velocities shall not exceed **20 (twenty) feet per second (fps)**, as verified in a minimum series of **10 (ten) shots**, in accordance with a method consistent with ANSI/SAAMI Z299.4. If the ammunition is homologated by the Commission Internationale	486813	Unit	**4.708**

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Permanente pour l'Epreuve des Armes à Feu Portatives (C.I.P.), it shall meet all the requirements of the C.I.P. standards, and shall be available for consultation on the website https://bobp.cipbobp.org/en/homologation_public;

OPERATIONAL PROJECTILE

The projectile shall be of the **FMJ (Full Metal Jacket) type**, **non-expanding**, with a metallic jacket and lead core, designed for **flight stability in the subsonic regime**, reliable functioning, and predictable ballistic behavior.

The nominal weight of the projectile shall be between 190 and 220 grains.

SEALANT

A **sealant** shall be applied at the joint between the case and the primer, so as to prevent contamination by moisture, weathering, or liquid or oily agents, including in situations of accidental submersion.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging or a functionally equivalent system, keeping the rounds physically separated from one another so as to ensure their concentricity, in quantities of 20 (twenty) or 50 (fifty) units per primary package, packed in rigid cardboard boxes or technically equivalent material.

Each secondary package may contain up to **1,000 (one thousand) units of ammunition**, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a **manual or information card**, made of durable paper or a technically superior solution, in Portuguese, with instructions on the use, storage, and limitations of the material.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.

The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.

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36 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 15)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Ogive Weight: 180 gr **Supplementary Description:** Acquisition of conventional ammunition, caliber **.45 ACP (.45 Automatic / .45 Auto),** intended for **operational use and training,** for use by specialized and conventional units, in controlled environments, shooting ranges, and urban scenarios, where **functional reliability, safety, ballistic control, predictable terminal performance, and shot repeatability are required**. The ammunition shall comply with the requirements established in **Ordinance No. 189-EME of the Brazilian Army**, and shall also fully meet the applicable technical criteria of **ANSI/SAAMI Z299.3 – Centerfire Pistol and Revolver Ammunition** and/or the standards of **the Commission Internationale Permanente pour l'Épreuve des Armes à Feu Portatives (C.I.P.)**, with regard to dimensions, maximum permissible pressure, interchangeability, and test methods. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge of high quality and chemical stability, suitable for the .45 ACP caliber, complying with the pressure limits established by ANSI/SAAMI Z299.3 or C.I.P., and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function. The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .45 ACP. **SEALING** The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26); **BULLET CRIMP (BULLET PULL)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 200 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24); **PRIMER SAFETY** The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 76 mm (seventy-six millimeters), as measured in accordance with the SAAMI method; **PRIMER SENSITIVITY (FUNCTIONING)** The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 343 mm (three hundred and forty-three millimeters), as measured in accordance with the SAAMI method;	359378	Unit	**14.466**

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CHAMBER PRESSURE

In a series of 10 (ten) shots, with the ammunition conditioned at the reference temperature (21 °C), the mean maximum chamber pressure, measured by a piezoelectric transducer, **shall not exceed 21,000 psi**, as established by **ANSI/SAAMI Z299.3** for the **.45 ACP caliber.**

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*) shall be approximately 255 m/s, with an allowable variation of up to ± 5%, at 21 °C, and the standard deviation of the velocities shall not exceed 9 m/s, calculated by a statistical method consistent with ANSI/SAAMI Z299.3;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method.

OPERATIONAL PROJECTILE

The projectile shall be of the **JHP (Jacketed Hollow Point) type, expanding, with a weight of 230 grains.**

SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee; other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture;

The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by

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	The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
37 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 16)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 9 Type: Luger +P (9 × 19) JHP Weight: 147 gr Application: 9mm Pistols and Submachine Guns Additional Features: Expanding, Hollow Point, Jacketed **Supplementary Description:** Conventional ammunition, caliber 9x19 mm, for operational use, with a projectile specially designed to perform with mass loss, in caliber 9x19 mm, equipped with state-of-the-art technology, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The ammunition shall be constructed of materials that provide performance compatible with its operational purpose. The ammunition shall allow proper use in any firearm chambered in 9x19 mm. **SEALING** The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26. **BULLET CRIMP (BULLET PULL)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24.	626167	Unit	**5.344**

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PRIMER SAFETY

The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

VELOCITY

In a series of 20 shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **270 m/s and 310 m/s**, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the dispersion between the farthest points shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point – Expandable Hollow Point) type, with a weight between **147 and 150 grains.**

The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocols, shall meet the following requirements:

Penetration: between 12" (twelve inches) and 17" (seventeen inches).

Expansion: average minimum expansion of 40% (forty percent).

Mass retention: after shots fired into bare gelatin, heavy clothing, and automotive glass, the largest portion of the expanded projectile shall retain, on average, at least 95% of its original mass.

Jacket: no separation shall occur between the jacket and the core.

SEALANT

The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water.

The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee.

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Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee.

Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified.

WARRANTY

The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture.

After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor.

The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration.

The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.

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38 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 17)	**Projectile, Ammunition, Firearm** Material: Copper/Tin/Zinc Alloy Caliber: 9 mm Type: Luger +P (9 × 19) JHP Weight: 124 gr Application: 9mm Caliber Pistol Additional Features: Expanding, Hollow Point, Jacketed **Supplementary Description**: Conventional ammunition, caliber 9x19 mm, for operational use and training, equipped with a Full Metal Jacket (FMJ) projectile, featuring state-of-the-art technology, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The ammunition shall be constructed of materials that provide performance compatible with its operational and training purposes. The ammunition shall allow proper use in any firearm chambered in 9x19 mm. **SEALING** The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26. **BULLET CRIMP (BULLET PULL)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24. **PRIMER SAFETY** The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method. **PRIMER SENSITIVITY (FUNCTIONING)** The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from	640402	Unit	**17.353**

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a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

VELOCITY

In a series of 20 shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **340 m/s and 375 m/s**, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the dispersion between the farthest points shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

VELOCITY

In a series of 20 shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*), at a temperature of 21 °C, shall be between **340 m/s and 375 m/s**, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the dispersion between the farthest points shall be less than or equal to 76 mm, in accordance with the ANSI/SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the FMJ type, with a nominal weight of **124 grains**, subject to the manufacturer's manufacturing tolerances, provided that the specifications of ANSI/SAAMI Z299.3-2022 or C.I.P. are met.

The projectile shall have a lead core fully enclosed by a metallic jacket, remaining intact during firing and meeting the manufacturer's dimensional and ballistic specifications.

The jacket shall not exhibit cracks, fissures, detachment, or deformations that compromise the functioning of the ammunition.

SEALANT

The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water.

The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of

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	ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee. Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee. Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified. **WARRANTY** The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture. After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor. The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration. The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.			
39 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 18)	**Projectile, Ammunition, Firearm** Material: Copper/Tin/Zinc Alloy Caliber: 9 mm Type: Luger +P (9 × 19) JHP Weight: 124 gr Application: 9mm Caliber Pistol Additional Features: Expanding, Hollow Point, Jacketed **Supplementary Description:** Conventional ammunition, caliber 9×19 mm, for operational use, equipped with a projectile specially designed to provide controlled expansion and high terminal performance, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of ANSI/SAAMI Z299.3-2022 and/or C.I.P. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old.	640402	Unit	**5.586**

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It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution.

It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection.

It shall have a projectile that is clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion.

The ammunition shall be constructed of materials that provide performance compatible with its operational purpose.

The ammunition shall allow proper use in any firearm chambered in 9×19 mm.

SEALING

The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26.

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, in accordance with the NATO method AEP-97, Edition A, Section 24.

PRIMER SAFETY

The primer shall not detonate when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm, in accordance with the SAAMI method.

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm, in accordance with the SAAMI method.

CHAMBER PRESSURE

In a series of shots, with the ammunition conditioned at a temperature of 21 °C, the mean chamber pressure shall meet the limits established by standard ANSI/SAAMI Z299.3-2022 or C.I.P.

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*), at a temperature of 21 °C, shall be between 340 m/s and 375 m/s, in accordance with the ANSI/SAAMI Z299.3-2022 or C.I.P. method.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point) type, with a nominal weight of **124 grains.**

The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocols, shall meet the following requirements:

Penetration: between 12" (twelve inches) and 17" (seventeen inches).

Expansion: average minimum expansion of 40% (forty percent).

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Mass retention: after shots fired into bare gelatin, heavy clothing, and automotive glass, the largest portion of the expanded projectile shall retain, on average, at least 95% of its original mass.

Jacket: no separation shall occur between the jacket and the core.

SEALANT

The primer shall have a sealant in its pocket, ensuring the waterproofing of the cartridge, including when submerged in water.

The projectile shall have a sealant at its interface with the case mouth, ensuring the waterproofing of the cartridge, including when submerged in water.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes of 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee.

Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified.

WARRANTY

The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture.

After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor.

The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration.
The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.

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40 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 19)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Hollow Point Weight: 155 gr Application: S&W Pistol, Caliber .40 Additional Features: Expanding **Supplementary Description:** Conventional ammunition, caliber .40 S&W, for operational use and training, with a projectile specially designed to perform with mass loss in caliber .40 S&W, equipped with state-of-the--art technology, certified in accordance with Ordinance No. 189-EME of the Brazilian Army. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the ANSI/SAAMI Z299.3-2022 and/or C.I.P. drawing. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection. It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion. The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function. The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .40 S&W. **SEALING** The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26); **BULLET CRIMP (BULLET PULL)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24); **PRIMER SAFETY** The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm (fifty-one millimeters), as measured in accordance with the SAAMI method;	480448	Unit	**6.914**

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PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm (two hundred and forty millimeters), as measured in accordance with the SAAMI method;

CHAMBER PRESSURE

In a series of shots conditioned at 21 °C, the mean chamber pressure shall comply with the acceptable parameters, as measured in accordance with the SAAMI Z299.3-2022 or C.I.P. method;

VELOCITY

In a series of shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*) shall be 300 ± 27 m/s, at 21 °C, and no ammunition from the same manufacturing lot may have a standard deviation greater than 9 m/s (nine meters per second) from the measured mean;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method;

PROJECTILE

The projectile shall be of the JHP (Jacketed Hollow Point – Expanding Hollow Point) type, with a weight of 180 grains. The performance of the projectile in a ballistic gelatin block, in accordance with the FBI (Federal Bureau of Investigation) and IWBA (International Wound Ballistics Association) protocol standard, shall be as follows:

Penetration: shall penetrate not less than an average minimum of 12" (twelve inches) and not more than an average maximum of 17" (seventeen inches);

Expansion: after the shots fired, the recovered projectiles shall have an average minimum expansion of 40% (forty percent);

Weight: after firing in all the items determined in these Technical Specifications (bare gelatin, heavy clothing, and automotive glass), the largest portion of the expanded projectile shall retain not less than 95% of the original projectile, on total average;

Jacket: the jacket shall not separate from the core.

SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee;

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	Other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned. **WARRANTY** The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer. **SHELF LIFE** The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder. The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration. The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.			
41 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 20)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: .40 Type: Flat Point Weight: 160 gr Application: S&W Pistol, Caliber .40 **Supplementary Description**: Conventional ammunition, caliber .40 S&W, for operational use and training, with a projectile specially designed to perform with mass loss in caliber .40 S&W, equipped with state-of-the-art technology, certified in accordance with Ordinance No. 189-EME of the Brazilian Army. The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, and with the ANSI/SAAMI Z299.3-2022 and/or C.I.P. drawing. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer of excellent quality, and the primers used in the ammunition shall originate from manufacturing lots no more than one year old. It shall have a cartridge case of excellent quality, made of a special brass alloy of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge of excellent quality and chemical stability, complying with the requirements of STANAG 4170, or another	242724	Unit	**13.050**

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standard that does not alter the ballistic characteristics of the ammunition, and the propellant charge shall be made up of a propellant lot in which no more than two years have elapsed between its manufacture and its use in the ammunition lot under inspection.

It shall have a projectile of excellent quality, clean and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, and corrosion.

The conventional ammunition shall be constructed of material that offers good performance, reaching the ideal velocity for carrying out its function.

The conventional ammunition to be supplied shall allow proper use in any firearm chambered in .40 S&W.

SEALING

The cartridge shall not emit more than one air bubble in 30 seconds when subjected to a pressure greater than 50 kPa, as measured in accordance with the NATO method (AEP-97, Edition A, Section 26);

BULLET CRIMP (BULLET PULL)

The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 295 N, as measured in accordance with the NATO method (AEP-97, Edition A, Section 24);

PRIMER SAFETY

The primer shall not detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 51 mm (fifty-one millimeters), as measured in accordance with the SAAMI method;

PRIMER SENSITIVITY (FUNCTIONING)

The primer shall detonate (fire) when struck by a 55 ± 0.5 g ball dropped from a height of 240 mm (two hundred and forty millimeters), as measured in accordance with the SAAMI method;

CHAMBER PRESSURE

In a series of shots conditioned at 21 °C, the mean chamber pressure shall comply with the acceptable parameters, as measured in accordance with the SAAMI Z299.3-2022 or C.I.P. method;

VELOCITY

In a series of shots, the arithmetic mean of the velocities recorded at 4.6 m from the muzzle of the test barrel (*provete*) shall be 300 ± 27 m/s, at 21 °C, and no ammunition from the same manufacturing lot may have a standard deviation greater than 9 m/s (nine meters per second) from the measured mean;

PRECISION

In a series of shots, on a target positioned 23 m from the muzzle of the test barrel (*provete*), the group size shall be less than or equal to 76 mm between the farthest points, as measured in accordance with the SAAMI Z299.3-2022 method.

PROJECTILE

The projectile shall be of the FMJ (Full Metal Jacket) type, with a weight of 180 grains.

Jacket: the jacket shall not separate from the core.

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SEALANT

The primer shall have in its pocket a sealant that waterproofs the cartridge, including when submerged in water. The projectile shall have, on the face in contact with the inside of the case mouth, a sealant that waterproofs the cartridge, including when submerged in water;

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging so as to remain separated from one another, in quantities of 50 (fifty) units, where each honeycomb pack shall be placed inside a cardboard box, and these boxes shall be packed in a cardboard case with a maximum limit of 20 (twenty) honeycomb packs, thus totaling 1,000 (one thousand) units of ammunition, or a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall also contain a manual or card with information on use, storage, and limitations of the material, in the national language (Portuguese), made of high-quality, durable paper or a demonstrably superior solution approved by the SSP Technical Committee; other forms of packaging will be accepted, provided that they constitute a demonstrably superior solution to those previously mentioned.

WARRANTY

The winning bidder shall provide a permanent warranty on the product (ammunition) against manufacturing defects or flaws, provided that it is kept in its packaging and under the special conditions indicated by the manufacturer.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; the shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

TECHNICAL ASSISTANCE

The manufacturer shall make available to the Administration, upon request, technicians and laboratories to provide any technical information regarding the components, analyses of the product's performance, or verification of the characteristics required in these technical specifications, the costs of any such procedures to be borne by the bidder.

The manufacturer shall have 02 (two) business days to provide technical assistance, counted from the date the company is notified of the request by the Public Administration.
The manufacturer shall have a period of 45 (forty-five) calendar days to carry out the repair or replacement of the materials, counted from the notification of the technical assistance request, or, if necessary, to effect their substitution.

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42 (RESERVED QUOTA FOR MICRO AND SMALL ENTERPRISES (ME/EPP) – ITEM 21)	**Projectile, Ammunition, Firearm** Material: Lead Caliber: 5.56 × 45 Type: Elada SS109 Weight: 62 gr Application: 5.56 × 45 mm Rifle **Supplementary Description:** Conventional ammunition, caliber 5.56 × 45 mm NATO, intended for use in preventive overt policing by the military police, equipped with an SS109-type projectile specially developed to provide greater penetration capability against targets protected by light armor and against unarmored targets, certified in accordance with the current legislation of the Brazilian Army applicable to Army-Controlled Products (PCE). The cartridge shall be assembled in accordance with the manufacturer's descriptive memorandum and technical drawings, meeting the specifications of STANAG 4172, Edition 3, and NATO AEP-97, Edition A, Version 1. It shall be properly identified, clean, and free, in any of its parts or components, from cracks, deformations, dents, burrs, perforations, corrosion, or any other defect that compromises its safety or use. It shall have a Boxer-type primer, from a manufacturing lot no more than 01 (one) year old. It shall have a case made of a special brass alloy composed of 70% copper and 30% zinc, or a demonstrably superior solution. It shall have a propellant charge with chemical stability, complying with the requirements of STANAG 4170, or another equivalent specification that does not alter the ballistic characteristics of the ammunition, and the propellant lot used shall have no more than 02 (two) years between its manufacture and its use in the ammunition lot under inspection. The ammunition shall be constructed of materials that provide performance compatible with its operational purpose. The ammunition shall allow proper use in any firearm chambered in 5.56 × 45 mm NATO. **SEALING** The cartridge shall not emit more than one air bubble in 30 (thirty) seconds when subjected to a pressure greater than 50 kPa, in accordance with the NATO method AEP-97, Edition A, Section 26. **BULLET CRIMP (BULLET PULL)** The force required to extract (pull) the projectile from the cartridge case shall be equal to or greater than 200 N, in accordance with the NATO method AEP-97, Edition A, Section 24. **PRIMER SAFETY** The primer shall not detonate when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or less than 75 mm, in accordance with the NATO method AEP-97, Edition A, Section 23. **PRIMER SENSITIVITY (FUNCTIONING)** The primer shall detonate when struck by a 111.7 ± 0.57 g ball dropped from a height equal to or greater than 450 mm, in accordance with the NATO method AEP-97, Edition A, Section 23.	626164	Unit	**7.428**

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CHAMBER PRESSURE

In a series of 20 (twenty) shots, with the ammunition conditioned at a temperature of 21 °C, the mean chamber pressure, recorded by means of a piezoelectric transducer compatible with the NATO methodology, shall be equal to or less than 445 MPa, in accordance with the NATO method AEP-97, Edition A, Section 12.

VELOCITY

In a series of 20 (twenty) shots, the arithmetic mean of the velocities recorded at 24 m from the muzzle of the test barrel (provete), at a temperature of 21 °C, shall be between **900 m/s and 960 m/s**, in accordance with the NATO method AEP-97, Edition A, Section 12.

The standard deviation of the velocities of the tested lot shall not exceed **10 m/s.**

PRECISION

In a series of 10 (ten) shots, fired at 550 m (five hundred and fifty meters), the maximum dispersion of the group, measured between the centers of the farthest impacts, shall not exceed 200 mm, in accordance with the NATO method AEP-97, Edition A, Section 18.

Considering the limited availability of facilities for conducting tests in ballistic tunnels or ranges with a distance of 550 m, a technical report issued by an accredited laboratory, produced at a shorter distance, may be accepted, provided that the methodology employed demonstrates technical equivalence to the test set forth in NATO AEP-97, its acceptance being subject to analysis and approval by the SSP Technical Committee.

OPERATIONAL PROJECTILE

The projectile shall be of the NATO SS109 type, with a nominal weight of 62 grains, consisting of a lead core with a steel penetrator in the forward portion, in accordance with STANAG 4172.

SEALANT

A sealant capable of ensuring the waterproofing of the cartridge, including when submerged in water, shall be applied at the interface between the case and the primer, as well as between the case and the projectile.

PACKAGING

The ammunition shall be packaged in honeycomb-type packaging, remaining separated from one another, in boxes containing 50 (fifty) units. The packages shall be packed in cardboard boxes containing a maximum of 20 (twenty) honeycomb packs, totaling 1,000 (one thousand) rounds of ammunition, or in a demonstrably superior solution approved by the SSP Technical Committee.

Each package shall contain a manual or card with information on use, storage, and limitations of the product, in Portuguese, made of durable material or a demonstrably superior solution approved by the SSP Technical Committee.

Other forms of packaging will be accepted, provided that they are technically proven to be superior to those specified.

WARRANTY

The contractor shall be liable for manufacturing defects or flaws throughout the entire shelf life of the ammunition, provided that the storage conditions established by the manufacturer are observed.

SHELF LIFE

The shelf life of the ammunition shall be 10 (ten) years, counted from the date of manufacture.

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	After removal from the original packaging, the shelf life shall be 01 (one) year, provided that the storage conditions recommended by the manufacturer are observed. **TECHNICAL ASSISTANCE** The manufacturer shall make available to the Administration, when requested, technicians and laboratories to provide technical information, perform performance analyses, or verify the characteristics required in this technical specification, the corresponding costs to be borne by the contractor. The manufacturer shall provide technical assistance within a maximum period of 02 (two) business days, counted from the notification by the Administration. The manufacturer shall replace any materials that present defects, manufacturing flaws, or nonconformity with this technical specification, within a maximum period of 45 (forty-five) calendar days, counted from the notification by the Administration.			

1.1.1 **It will not always be possible to locate a CATMAT code that meets the public administration's demand. Therefore, it is important to emphasize that the technical details included in the Notice's Terms of Reference are cited in the Items' Supplementary Description, and shall prevail over any contradiction with the CATMAT.**

1.2. The goods that are the object of this procurement are categorized as common goods, in accordance with the justification set forth in the Preliminary Technical Study.

1.3. **The traceability lot must be engraved with an alphanumeric sequence in strict compliance with national legislation, corresponding to a maximum of 10,000 units (ten thousand units).**

1.4 The object of this procurement does not qualify as a luxury item, pursuant to Brazilian Decree No. 10,818, of September 27, 2021.

1.5 The term of the contract is valid until December 31 of the current financial year, counting from its publication on the National Public Procurement Portal (PNCP), pursuant to Art. 105 of Brazilian Federal Law No. 14,133, of 2021.

1.5.1 The term of the contract shall be automatically extended, regardless of an amendment, when the object is not completed within the period established above, without prejudice to the appropriate measures in the event of fault by the Contractor, as provided by Law.

1.6. The contract provides further details regarding the rules that will apply to the term of the agreement.

2. GROUNDING AND DESCRIPTION

2. GROUNDS AND DESCRIPTION OF THE CONTRACTING NEED"

2.1. The grounds for the procurement and its quantities are detailed in a specific section of the Preliminary Technical Studies, an appendix to these Terms of Reference.

2.2. The object of this procurement is set forth in the Resource Application Plan of the National Public Security Fund under the Axis for Strengthening Public Security and Social Defense Institutions (FISPDS), 2024 budget year, as stated in the basic information of these Terms of Reference.

3. OVERALL SOLUTION DESCRIPTION

3. OVERALL SOLUTION DESCRIPTION CONSIDERING THE OBJECT'S LIFE CYCLE AND PRODUCT SPECIFICATIONS

3.1. Upon analyzing the needs of the demand, as well as the solutions available in the market, and the possible scenarios for the Administration, the following solution is concluded: Price registration for the acquisition of ammunition to meet the needs of the SSP and participating agencies, through an international electronic auction, according to the specifications and quantities contained in this instrument.

3.2 The complexity of the intended materials does not mischaracterize the standardization with which such objects are usually commercialized in the market. 'Therefore, neither this complexity nor the relevance of these goods and services justifies setting aside the mandatory requirement to bid under the Electronic Auction (*Pregão*) modality.' (Ruling No. 1,114/2006 – Plenary; Ruling No. 2,471/2008 – TCU Plenary, item 9.2.4)."

3.3 The procurement shall be executed through the execution of a Price Registration Minutes, since the material to be acquired requires individual measures, and considering the expansion of operations, there is a need for frequent acquisitions under the same instrument.

3.4 Thus, the procurement in question falls under item III of Art. 3 of Brazilian DECREE No. 95,019, OF DECEMBER 28, 2023 – Decree that regulates the use of price registration, namely:

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Art. 3. The Price Registration System (SRP) may be adopted when the Administration deems it appropriate, in particular:

III – when it is convenient to meet the needs of more than one agency or entity, including centralized purchases; Considering the items to be acquired, the description is provided below:

3.5 In view of the items to be procured, the following description applies: The parameters set forth in the Terms of Reference shall be intended to guide the procurement of operational and training ammunition that meets the applicable certification and quality standards, ensuring that the material supplied is highly reliable and suitable for its intended use across a wide range of operational missions.

4. PROCUREMENT REQUIREMENTS

4. PROCUREMENT REQUIREMENTS

4.1. The procurement shall comply with the following requirements:

4.1.1. Sustainability:

4.1.1.1. In addition to any sustainability criteria that may be included in the description of the object, the following requirements based on the National Guide to Sustainable Procurement must be met:

4.1.1.2. The bidding process shall follow the National Guide to Sustainable Procurement (Part 6 – Sustainability in the Acquisition of Goods and Products).

4.1.1.3. Equipment shall be manufactured, whenever possible, using non-toxic and recyclable materials.

4.1.1.4. Goods shall preferably be packaged in suitable individual packaging, with the smallest volume possible, using recyclable materials to ensure maximum protection during transport and storage.

4.2 Sample Requirement:

4.2.1 Upon acceptance of the proposal regarding the price, the bidder provisionally ranked first must present samples, which will be submitted to efficiency testing. The date, location, and time of the test will be announced via system message, and attendance will be optional for all interested parties, including other competing suppliers.

4.2.2 110 units of each item awarded to the bidder ranked in 1st place shall be submitted within 20 business days, counted from the moment of the request by the auctioneer, and shall be delivered at the headquarters of the SSP, located at *Zadir índio* Street, 213, *Centro-Maceió, Alagoas* In the case of a foreign company, the deadline for receipt of the samples shall begin to run from the granting of the CII, or of the Import License (LI), or whichever occurs last.

4.2.3 The samples shall be submitted at the headquarters of the State Secretariat of Public Security, located at *Zadir índio* Street, 213, *Centro-Maceió*, and within 20 (twenty) business days, counted from the request of the Auctioneer.

4.2.4 The samples **SHALL** be accompanied by a complete report issued by the manufacturer demonstrating that the ammunition offered meets the requirements described in these terms, the SSP Technical Committee being entitled to replicate the tests at any time to verify the technical requiremen

4.2.5 In the case of a foreign company, the submitted reports must be translated into the Portuguese language, and a free translation may be initially provided.

4.2.6 If the technical reports do not accompany the samples, the company shall be disqualified, and the next provisionally ranked company in the bidding process shall subsequently be summoned.

4.2.7 The samples may not form part of the quantity to be delivered after contracting. A company that submits a sample visibly non-compliant with the technical specifications of this Term of Reference shall have its sample rejected by the committee and shall be disqualified.

4.3 Efficiency Tests

4.3.1 Visual and Metrological Inspection

4.3.1.1 This test consists of verifying the markings on the base of the cartridge and identifying the lot number for traceability purposes, in accordance with Brazilian Ordinance No. 214 – COLOG/C Ex, of September 15, 2021, as well as a visual and dimensional inspection intended to identify any manufacturing defects, such as dents, burrs, cracks, deformations, dirt, misalignment or crushing of the projectile, or any other defect that compromises the safety, reliability, or operational use of the ammunition.

4.3.1.2 The test shall be performed on all submitted samples.

4.3.1.3 A sample that exhibits any non-conformity with the criteria established in subitem 4.3.1.1 shall be deemed failed.

4.3.2 Velocity Test

4.3.2.1 The velocity test shall observe the limits and tolerances established in the SAAMI, C.I.P., or NATO standards, as applicable to each type and caliber of ammunition, and shall be carried out with 20 (twenty) units of the sample, using a chronograph or equivalent properly calibrated equipment.

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4.3.2.2 A sample shall be considered failed if it is not within the limits established in the SAAMI, C.I.P., or NATO standards, or, further, within the limits required for the caliber in Table 1.1 of this Terms of Reference, when these are more stringent, as well as any sample that presents a standard deviation greater than the maximum value established in the said table.

4.3.3 Projectile Weight Test

4.3.3.1 For the projectile weight test, 20 (twenty) units of the sample shall be used. The projectiles shall be removed and weighed individually on a properly calibrated precision balance, and the arithmetic mean of the values obtained shall be calculated, which shall be within the parameters and tolerances established in the SAAMI, C.I.P., or NATO standards, as applicable to each type and caliber of ammunition.

4.3.3.2 A sample that presents any nonconformity with the criteria established in sub-item 4.3.3.1 shall be considered failed.

4.3.4 Primer Safety and Sensitivity Test

4.3.4.1 The test shall be carried out in accordance with what is specified for each item in Table 1.1 of this Terms of Reference.

4.3.4.2 The 20 (twenty) cartridges that were disassembled in the projectile weight test (sub-item 4.3.3) shall be used.

4.3.4.3 A sample that does not present a result in conformity with the criteria established in Table 1.1 of this Terms of Reference shall be considered failed.

4.3.5 Chamber Pressure Test

4.3.5.1 For the chamber pressure test, 20 (twenty) units of the sample shall be used.

4.3.5.2 During the test, a properly calibrated piezoelectric transducer shall be used, installed in a proof chamber compatible with the caliber tested, in accordance with the methodology set forth in the SAAMI, C.I.P., or NATO standards, as applicable.

4.3.5.3 A sample whose arithmetic mean of the shots is not within the limits established in the SAAMI, C.I.P., or NATO standards, or, further, within the limits required for the caliber in Table 1.1 of this Terms of Reference, when these are more stringent, shall be considered failed.

4.3.6 Precision Test

4.3.6.1 The precision test shall be conducted at a distance of 100 (one hundred) meters, under controlled firing conditions, using a test barrel or a methodology that ensures the minimization of human-factor interference, in an indoor range or in an outdoor environment free of wind interference, and the test shall be interrupted in the presence of wind.

4.3.6.2 No tests shall be conducted in rain of any intensity. The evaluation shall be conducted by means of five independent groups, each group consisting of five consecutive shots, for a total of 25 (twenty-five) valid shots.

4.3.6.3 The precision measurement shall be carried out by the maximum dispersion method, which consists of measuring the greatest linear distance between the geometric centers of the two farthest impacts within each group.

4.3.6.4 For each group, the maximum dispersion obtained shall be converted into minutes of angle (Minute of Angle – MOA), considering that, at a distance of 100 meters, 1 MOA corresponds to 2.908 cm.

4.3.6.5 Upon completion of the five groups, the arithmetic mean of the dispersions shall be calculated. No group shall exceed the precision limits established for the caliber in Table 1.1 of this Terms of Reference, using the maximum dispersion method.

4.3.6.6 In addition to the precision test with the test barrel, for MATCH-type ammunition, a test shall be conducted using a weapon with precision characteristics, under the following terms:

4.3.6.6.1 The weapon shall be secured or stabilized at both its front and rear portions so as to minimize the influence of the operator.

4.3.6.6.2 The test with the weapon shall follow the same procedure, namely: 5 series of 5 shots, totaling 25 shots.

4.3.6.6.3 Upon completion of the five groups, the arithmetic mean of the dispersions of all groups shall be calculated. The calculated arithmetic mean shall not exceed the precision limits established for the caliber in Table 1.1 of this Terms of Reference, using the maximum dispersion method.

4.4 The results of the evaluations shall be disclosed by means of a message in the system.

4.5. The winner of the bidding process shall make available to the Administration all conditions indispensable for the analysis of the reports submitted under item 4.2.4, and shall provide, at no cost to the public administration, the equipment and laboratories indispensable for conducting the conformity analyses and other inspections. If the equipment and laboratories indispensable for the analysis of the reports are not located in the State of Alagoas, the company that wins the bidding process shall be responsible for all logistical and operational costs of the travel of 04 (four) civil servants designated by the SSP to the place of analysis, for the due conformity verifications, provided that all deadlines set forth in these terms are observed.

4.6 The rejected sample shall be made available to the company for collection from the date of homologation of the bidding process. The SSP-AL may designate, jointly with other agencies, specialists, experts, and/or civil servants involved in the bidding process, to monitor the samples and carry out the analysis of the Reports.

4.7 The samples submitted may be opened, handled, and disassembled, and shall be collected by the bidder in the condition in which they are found at

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the end of the technical evaluation, at no cost to the SSP.

4.7.1 The specimens made available to the Administration shall be treated as prototypes, and may be handled and disassembled by the technical team responsible for the analysis, without giving rise to any right to reimbursement.

4.8 In the event of the impossibility of submitting the samples and the report as provided for in item 4.2 at the designated address, such impossibility being duly justified and accepted by the evaluation committee, the public administration may authorize receipt of the samples at a location suggested by the bidder ranked in 1st place, with a view to expediting the process, with all logistical and operational costs of 04 (four) civil servants designated by the SSP to be borne by the company that wins the bidding process, provided that all deadlines set forth in these terms are observed.

4.9 In the event that the sample is not delivered, or delivery is delayed without justification accepted by the Auctioneer, or a sample is delivered that does not conform to the specifications set forth in the Terms of Reference, the bidder's proposal shall be rejected.

4.10 If the sample(s) submitted by the first-ranked bidder is/are not accepted, the Auctioneer shall assess the acceptability of the proposal or bid offered by the second-ranked bidder. The verification of the sample(s) shall then follow and, thus, successively, until a sample is verified that meets the specifications set forth in the Terms of Reference.

4.11 After the announcement of the final result of the bidding process, the samples delivered shall be collected by the suppliers within (20) days, after which they may be discarded by the Administration, without any right to reimbursement.

4.12 An extension of the established deadline may be granted upon a reasoned request made in the chat by the interested party, prior to the expiration of the deadline.

4.13 Interested parties shall make available to the Administration all conditions essential for carrying out tests and shall provide, free of charge, printed manuals in the Portuguese language necessary for their proper handling, when applicable.

4.14 Subcontracting:

4.14.1 Subcontracting of the contractual object shall not be permitted.

4.15 Contract Performance Guarantee:

4.15.1 There shall be no requirement for the contract performance guarantee referred to in Articles 96 et seq. of Brazilian Law No. 14,133 of 2021, for the reasons set forth in the Preliminary Technical Study.

5. OBJECT EXECUTION MODEL

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Delivery Conditions

5.1. The delivery period for the goods is 100 days, starting from the effective receipt of the Supply Order and authorization from the Brazilian Army, in a single shipment.

5.2. If delivery on the scheduled date is not possible, the company must communicate the respective reasons at least 10 days in advance so that any request for time extension may be analyzed, except in cases of act of God and force majeure.

5.3. The goods shall be delivered to the following addresses

- **SSP:** Headquarters of the State Secretariat of Public Safety, located at street *Zadir Índio,* number *213, Centro, Maceió-Al;*

5.3.1 The International Commercial Term - INCOTERM to be adopted shall be DPU - Delivered at Place Unloaded.

5.3.2 The delivery of the object referred to in the previous item must be made at the indicated location through the use of an appropriate vehicle intended for the transport of this type of cargo, with the security features required for the case.

Warranty, maintenance, and technical assistance

5.4. The contractual warranty period for the goods, complementary to the legal warranty, is at least 12 (twelve) months, or for the period provided by the manufacturer, if longer, starting from the first business day following the date of final acceptance of the object.

5.4.1 The shelf life of the ammunition shall be 10 (ten) years from the date of manufacture; The shelf life of the ammunition after removal from its original packaging shall be 01 (one) year.

5.5. The warranty shall be provided with a view to maintaining the supplied equipment in perfect working order, at no additional burden or cost to the Contracting Authority.

5.6. The warranty covers the performance of corrective maintenance on the goods by the Contractor itself or, if applicable, through an authorized technical assistance service, in accordance with specific technical standards.

5.7. Corrective maintenance is understood as that intended to remedy defects presented by the goods, including the replacement of parts, performance of adjustments, repairs, and necessary corrections.

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5.8. Parts that exhibit defects or flaws during the warranty period must be replaced with new, unused, and original parts that present quality and performance standards equal to or superior to those of the parts used in the manufacture of the equipment.

5.9. Once notified, the Contractor shall carry out the repair or replacement of the goods that exhibit defects or flaws within up to 45 (forty-five) days, starting from the date of removal of the equipment from the Administration's premises by the Contractor or by the authorized technical assistance service.

5.9.1 Any item submitted to warranty or technical assistance that exceeds the period of 45 (forty-five) days, starting from its call-out, to remedy the problem, must be replaced by a new one, of equal quality and characteristics, at no cost to the CONTRACTING AUTHORITY, within up to 30 (thirty) days.

5.10. The period indicated in the previous subitem, during its course, may be extended a single time, for an equal period, upon written and justified request from the Contractor, accepted by the Contracting Authority.

5.11. In the event described in the subitem above, the Contractor must provide equivalent equipment, with specifications equal to or superior to the one previously supplied, for provisional use by the Contracting Authority, so as to ensure the continuity of administrative work during the execution of repairs.

5.12. Once the period for repairs and replacements has elapsed without fulfillment of the Contracting Authority's request or the submission of justifications by the Contractor, the Contracting Authority shall be authorized to hire another company to execute the repairs, adjustments, or replacement of the goods or their components, as well as to demand reimbursement from the Contractor for the respective costs, without prejudice to the warranty of the equipment.

5.13. The cost regarding the transport of the equipment covered by the warranty shall be the responsibility of the Contractor.

5.14. The legal or contractual warranty of the object has its own term of validity, independent of the term established in the contract, allowing the eventual application of penalties in case of breach of any of its conditions, even after the expiration of the contractual term.

Contractor's Obligations

5.15 In the event that a foreign company is the winning bidder of the tender, all expenses shall be borne by the CONTRACTOR, such as: direct and indirect expenses, import costs, international transport insurance, packaging, miscellaneous insurance, transport, taxes, labor and social security charges resulting from the supply, international transport insurance, international freight, courier service, postal correspondence, assembly, warranty, technical assistance, technical responsibility, technical delivery, national transport and freight, taxes, duties, fiscal contributions, parafiscal contributions, fees (Siscomex, airline company, RADAR, import license, customs clearance, customs storage, handling/*capatazia*, airport charges, and others that may be necessary), cargo handling costs, third-party services or labor, due in the country of origin or in Brazil, as the case may be, issuance of the respective letter of credit, and other costs that may directly or indirectly fall upon the tendered object.

5.16 It is the responsibility of the CONTRACTOR to obtain the import license, payment of insurance, transport, equipment storage, clearance costs, and all costs (expenses) of customs formalities payable upon importation. The CONTRACTING AUTHORITY shall provide all documentation under its responsibility necessary for the CONTRACTOR to carry out the customs procedures, aiming at tax exemption, in accordance with legal provisions (Brazilian Federal Law No. 8,032/90).

5.17 The costs of customs storage and for any customs transit or transit with already cleared goods resulting from the arrival of the equipment at another location shall be the responsibility of the bidder.

5.18 It shall be the sole and total responsibility of the Bidder to obtain, from the competent authorities, whether abroad or in Brazil, information regarding the applicability or non-applicability of taxes, duties, and fees of any nature due for the supply of the object of this tender, in the domestic and/or foreign markets, considering the respective encumbrances in its proposals, with no allowance for claims of ignorance regarding tax applicability or other related matters.

5.19 The omission of any expense or cost necessary for the perfect execution of the object of this tender shall be construed as non-existent or as already included in the prices, and the bidder shall not be entitled to claim any additions after the submission of the proposal.

5.20 The proposed prices must include, in addition to profit, the amount regarding packaging, import license, international transport insurance, miscellaneous insurance, international freight, courier service, postal correspondence, assembly, warranty, technical assistance, technical responsibility, technical delivery, national transport and freight, taxes, duties, labor and social security charges arising from the supply, fiscal contributions, parafiscal contributions, fees (Siscomex, airline company, import license RADAR, customs clearance, customs storage, handling/*capatazia*, airport charges, and others that may be necessary), cargo handling costs, third-party services or labor, due in the country of origin or in Brazil, as the case may be, issuance of the respective letter of credit, and other costs that may directly or indirectly fall upon the tendered object, in addition to those provided for in the Technical Specifications.

5.21 The amounts regarding the issuance of the letter of credit for payment of the contracted object shall be the responsibility of and borne at the expense of the bidder/contractor; therefore, such amounts must be included in the price proposals, under penalty of, if not broken down, being considered as already existing and provided for, and no additions may be claimed after the submission of the proposal.

5.22 Submit catalogs and/or brochures containing the description or information on the item offered to the public administration: photos; technical specifications; brand and model of the ammunition; which shall demonstrate that the item offered effectively meets the minimum technical specifications required by the Administration, with a summary in Portuguese (Brazil).

Documentary Requirements

5.23 For verification of the international technical quality standards applied in the manufacturing process of the ammunition to be supplied, the

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following shall be required at the sample submission stage: Report(s) issued by proof house(s) or by independent laboratory(ies) internationally accredited, attesting that the ammunition meets the technical requirements of this tender notice;

5.24 For verification of the international quality standards applied in the manufacturing process of the ammunition to be supplied, the submission of a Quality Control certification of the supplier’s production line and processes shall be required at the provisional acceptance stage of the item, issued by a reputable and independent body, attesting that the company has a Quality System implemented in accordance with the ISO series of standards or an internationally corresponding standard;

5.25 In both cases (domestic or foreign company), they must present proof of manufacturing and commercialization authorization, issued at least 12 (twelve) months prior to the opening date of the tender, for the same brand and model.

6. CONTRACT MANAGEMENT MODEL

6. CONTRACT MANAGEMENT MODEL

6.1. The contract must be faithfully executed by the parties, in accordance with the agreed clauses and the rules of Brazilian Law No. 14,133, of 2021, and each party shall be held liable for the consequences of its total or partial non-performance.

6.2. In the event of an impediment, stoppage order, or suspension of the contract, the execution schedule shall be automatically extended for the corresponding period, and such circumstances shall be recorded by means of a simple apostille.

6.3. Communications between the body or entity and the contractor must be conducted in writing whenever the act requires such formality, with the use of electronic messages being permitted for this purpose.

6.4. The body or entity may convene a representative of the company to adopt measures that must be complied with immediately.

6.5. After the signing of the contract or equivalent instrument, the body or entity may convene the representative of the contracted company for an initial meeting to present the oversight plan, which shall contain information regarding contractual obligations, oversight mechanisms, strategies for execution of the object, the contractor's complementary execution plan, if any, the method for measuring results, and applicable sanctions, among others.

Oversight

6.6. The execution of the contract must be monitored and supervised by the contract inspector(s), or by their respective alternates (Brazilian Law No. 14,133, of 2021, art. 117, caput).

Technical Oversight

6.7. The technical contract inspector shall monitor the execution of the contract to ensure that all conditions established in the contract are met, so as to achieve the best results for the Administration. (Brazilian Decree No. 11,246, of 2022, art. 22, VI);

6.7.1. The technical contract inspector shall record in the contract management log all occurrences related to the execution of the contract, describing what is necessary to rectify any observed faults or defects. (Brazilian Law No. 14,133, of 2021, art. 117, § 1, and Brazilian Decree No. 11,246, of 2022, art. 22, II);

6.7.2. Upon identifying any inaccuracy or irregularity, the technical contract inspector shall issue notifications for the correction of the contract execution, establishing a deadline for such correction. (Brazilian Decree No. 11,246, of 2022, art. 22, III);

6.7.3. The technical contract inspector shall inform the contract manager, in a timely manner, of any situation that requires a decision or the adoption of measures beyond their authority, so that the contract manager may take the necessary and corrective measures, as applicable. (Brazilian Decree No. 11,246, of 2022, art. 22, IV).

6.7.4. In the event of occurrences that may jeopardize the execution of the contract on the scheduled dates, the technical contract inspector shall immediately notify the contract manager of the fact. (Brazilian Decree No. 11,246, of 2022, art. 22, V)."

6.7.5. The technical contract inspector shall communicate to the contract manager, in a timely manner, the expiration of the contract under their responsibility, with a view to its timely renewal or contractual extension (Brazilian Decree No. 11,246, of 2022, art. 22, VII).

Administrative Oversight

6.8. The administrative contract inspector shall verify the maintenance of the contractor's qualification conditions, monitor budget commitments, payments, guarantees, withholdings, and the formalization of apostilles and contract amendments, requesting any relevant supporting documents, if necessary (Art. 23, I and II, of Brazilian Decree No. 11,246, of 2022).

6.9. In the event of non-compliance with contractual obligations, the administrative contract inspector shall act promptly to resolve the issue, reporting to the contract manager so that appropriate measures may be taken whenever it exceeds their authority; (Brazilian Decree No. 11,246, of 2022, art. 23, IV).

Gestor do Contrato

6.10. The contract manager shall coordinate the updating of the contract monitoring and oversight file, containing all formal records of execution in

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the contract management log, such as the service order, the record of occurrences, contractual amendments, and extensions, preparing a report with a view to assessing the need for contract adjustments to achieve the administration's purpose. (Brazilian Decree No. 11,246, of 2022, art. 21, IV).

6.11. The contract manager shall monitor the records made by the contract inspectors regarding all occurrences related to the execution of the contract and the measures adopted, reporting to the higher authority, if applicable, those that exceed their authority. (Brazilian Decree No. 11,246, of 2022, art. 21, II).

6.12. The contract manager shall monitor the maintenance of the contractor's qualification conditions for the purposes of budget commitment and payment, and shall note any issues that impede the normal flow of settlement and payment of expenditure in the eventual risk report. (Brazilian Decree No. 11,246, of 2022, art. 21, III)."

6.13. The contract manager shall issue a supporting document of the evaluation performed by the technical, administrative, and sectoral inspectors regarding the fulfillment of obligations assumed by the contractor, mentioning their performance in contract execution based on objectively defined and measured indicators, as well as any penalties applied, which must be recorded in the registry of attestations of compliance with obligations. (Brazilian Decree No. 11,246, of 2022, art. 21, VIII).

6.14. The contract manager shall take measures to formalize an administrative accountability proceeding for the purpose of applying sanctions, to be conducted by the committee referred to in art. 158 of Brazilian Law No. 14,133, of 2021, or by the agent or department with competence for such, as the case may be. (Brazilian Decree No. 11,246, of 2022, art. 21, X).

6.15. The contract manager shall prepare a final report containing information on the achievement of the objectives that justified the contracting and any conduct to be adopted for the improvement of the Administration's activities. (Brazilian Decree No. 11,246, of 2022, art. 21, VI).

6.16. The contract manager shall send the relevant documentation to the contracts department for the formalization of settlement and payment procedures, in the amount measured by oversight and management in accordance with the terms of the contract.

7. MEASUREMENT AND PAYMENT CRITERIA

7. MEASUREMENT AND PAYMENT CRITERIA

Delivery and Acceptance

7.1. The goods shall be provisionally accepted within 5 (five) business days by the person responsible for monitoring and oversight of the contract, for the purpose of subsequent verification of their compliance with the specifications set forth in the Terms of Reference and in the proposal. Provisional acceptance, prior to the dispatch/shipment of each lot, shall be carried out by the Technical Material Receipt Committee, composed of 04 (four) public servants, at the Contractor’s manufacturing facility or warehouse, which shall proceed with the tests necessary for acceptance and may accept and provisionally receive the goods *in loco*, issuing the respective Term of Provisional Inspection and Authorization for Shipment, with the operational and logistical costs of the public servants and tests being the responsibility of the contracted company.

7.2. The goods may be rejected, in whole or in part, including prior to provisional acceptance, when non-compliant with the specifications set forth in the Terms of Reference and in the proposal, and must be replaced within 30 (thirty) days from the notification of the contractor, at its own expense, without prejudice to the application of penalties.

7.3. Definitive acceptance shall occur within 10 (ten) business days, as of the receipt of the invoice or equivalent billing instrument by the Administration, following the verification of the quality and quantity of the material and subsequent acceptance through a detailed report.

7.4. For contracts resulting from expenses whose values do not exceed the limit referred to in item II of art. 75 of Brazilian Law No. 14,133, of 2021, the maximum timeframe for definitive acceptance shall be up to 10 (ten) business days.

7.5. The timeframe for definitive acceptance may be exceptionally extended, upon justification, for an equal period, when there is a need for due diligence to verify compliance with contractual requirements.

7.6. In the event of a dispute regarding the execution of the object, as to dimension, quality, and quantity, the provisions of art. 143 of Brazilian Law No. 14,133, of 2021, shall be observed, and the company shall be notified to issue an Invoice regarding the undisputed portion of the execution of the object, for the purposes of settlement and payment.

7.7. The timeframe for the contractor to resolve inconsistencies in the execution of the object or to rectify the invoice or equivalent billing instrument, identified by the Administration during the pre-settlement review of expenditure, shall not be counted for the purposes of definitive acceptance.

7.8. Provisional or definitive acceptance shall not exclude civil liability for the soundness and safety of the service, nor ethical-professional liability for the perfect execution of the contract.

Settlement of Expenditure

7.9. Upon receipt of the Invoice or equivalent billing instrument, a timeframe of ten business days shall run for the purpose of settlement, in the manner set forth in this section, extendable for an equal period, under the terms of art. 7, §2 of Brazilian SEGES/ME Normative Instruction No. 77/2022.

7.9.1. The timeframe referred to in the preceding item shall be reduced by half, while maintaining the possibility of extension, in the case of contracts

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resulting from expenses whose values do not exceed the limit referred to in item II of art. 75 of Brazilian Law No. 14,133, of 2021.

7.10. For the purposes of settlement, the competent department shall verify whether the invoice or equivalent billing instrument presented expresses the necessary and essential elements of the document, such as:

7.10.1. the expiration date;

7.10.2. the date of issuance;

7.10.3. the contract details and the contracting agency details;

7.10.4. the respective period of contract execution;

7.10.5. the amount payable; and

7.10.6. any breakdown of the amount for applicable tax withholdings.

7.11. In the event of an error in the presentation of the invoice or equivalent billing instrument, or a circumstance that prevents the settlement of the expenditure, the settlement shall be stayed until the contractor takes corrective measures, and the timeframe shall restart upon proof of the regularization of the situation, without burden to the contracting authority;

7.12. The invoice or equivalent billing instrument must be accompanied by proof of tax regularity, verified through an online consultation with SICAF or, if access to the referred System is impossible, through consultation with official websites or the documentation mentioned in art. 68 of Brazilian Law No. 14,133, of 2021.

7.13. The Administration shall consult SICAF to: a) verify the maintenance of the qualification conditions required in the notice; b) identify any possible reason that prevents participation in bidding, within the scope of the body or entity, that implies a prohibition on contracting with the Public Administration, as well as indirect impeditive occurrences (BRAZILIAN NORMATIVE INSTRUCTION No. 3, OF APRIL 26, 2018).

7.14. Should an irregular status of the contractor be found in SICAF, written notification shall be provided to the contractor so that, within 5 (five) business days, it regularizes its status or, within the same timeframe, submits its defense. The timeframe may be extended once, for an equal period, at the discretion of the contracting authority.

7.15. In the absence of regularization or should the defense be deemed unfounded, the contracting authority shall inform the bodies responsible for monitoring tax regularity regarding the contractor's default, as well as the existence of a payment to be made, so that the relevant and necessary means may be initiated to guarantee the collection of their credits.

7.16. Should the irregularity persist, the contracting authority shall adopt the necessary measures for contract termination within the records of the corresponding administrative proceeding, guaranteeing full defense to the contractor.

7.17. Upon effective execution of the object, payments shall be made normally until a decision is made to terminate the contract, should the contractor fail to regularize its status with SICAF.

Payment Term

7.18. Payment shall be made within up to 10 (ten) business days counted from the completion of the settlement of expenditure, pursuant to the preceding section, under the terms of Brazilian SEGES/ME Normative Instruction No. 77, of 2022.

7.19. In the event of a delay by the Contracting Authority, the amounts owed to the contractor shall be subject to monetary adjustment from the end date of the payment term until the date of actual payment, through the application of the IGP-M monetary adjustment index.

Form of Payment

7.20. Payment shall be made by means of a bank payment order, for deposit into the bank, branch, and checking account specified by the contractor.

7.21. The payment date shall be considered the day on which the bank payment order is issued.

7.22. Upon payment, the tax withholding provided for under applicable legislation shall be effected.

7.22.1. Regardless of the tax percentage inserted in the breakdown table, if any, the percentages established under current legislation shall be withheld at source upon payment.

7.23. The contractor regularly enrolled in the Simples Nacional regime, under the terms of Brazilian Complementary Law No. 123, of 2006, shall not be subject to tax withholding regarding the taxes and contributions covered by that regime. However, payment shall be subject to the presentation of proof, by means of an official document, that it is entitled to the favored tax treatment provided for in said Complementary Law.

7.24 In the event of a price proposal in foreign currency (US Dollar or Euro), payment may be made by means of a deposit in a bank account or an International Letter of Credit issued by *BANCO DO BRASIL* (depending on the terms of the winning bidder's proposal—option for the Letter of Credit or bank account deposit) or by another financial institution indicated by the Contracting Authority that offers the most advantageous operationalization and/or cost ratio provided by the binomial exchange rate plus issuance fee, guaranteed by a top-tier bank indicated by the Bidder, under the terms of current legislation, the validity of which shall correspond to the delivery period of the tendered object and its release for payment shall occur upon communication to be sent to the issuer, after the issuance of the Definitive Acceptance Certificate by the Contracting Authority.

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7.25 The prices submitted by Brazilian bidders or foreign bidders, in foreign currency, shall be fixed and converted into REAIS (R$) using the selling exchange rate in effect on the business day prior to the actual date of the electronic bidding session (*pregão eletrônico*) and available on the Information System of the Central Bank of Brazil – SISBACEN, available at the website: www4.bcb.gov.br/pec/conversao/conversao.asp.

7.26 In the event of a price proposal submitted by a foreign bidder, the following shall be considered: Under the terms of Article 52 of Brazilian Federal Law No. 14,133, the possible burdens of the same taxes that exclusively encumber Brazilian BIDDERS regarding the final sales transaction shall be included in a highlighted manner and for the exclusive purpose of evaluating proposals, pursuant to current legislation, for the purpose of equalizing the proposals submitted between Brazilian and foreign companies.

7.27 For the price proposal equalization of foreign companies, such proposals must be composed of the material description, Quantity, Exchange Rate (as adopted in international bidding processes where the submission of proposals in foreign currency is permitted, prices submitted by Brazilian or foreign bidders in foreign currency shall be converted into REAIS (R$) using the selling exchange rate in effect on the business day immediately preceding the opening date of this bidding process), converted unit customs value, PIS (Consider the rate of 2.10%), COFINS (Consider the rate of 9.65%), ICMS (Consider the rate of 29% + the 2% rate of FECOEP (State Fund for Combating and Eradicating Poverty), totaling 31%), and costs for other expenses, with the total equalized value being the sum of all preceding items.

7.28 The price proposal submitted and considered for the purpose of evaluation shall be the sole and total responsibility of the bidder, including with regard to considering tax exemptions or the incidence of costs, direct and indirect, involving packaging, import licenses, various insurances, international transport insurance, international freight, motorcycle courier, postal correspondence, assembly, warranty, technical assistance, technical responsibility, technical delivery, transport, national freight, taxes, duties, labor and social security charges resulting from the supply, fiscal contributions, parafiscal contributions, fees (Siscomex, airline, RADAR for the import license, customs clearance, customs storage, handling/stevedoring, airport expenses, freight, and others that may be necessary), cargo handling costs, third-party services or labor, due in the country of origin or in Brazil, as the case may be, issuance of the letter of credit, and other costs that may directly or indirectly impact the tendered object, in addition to those provided for in the Technical Specifications that form an integral part of this Notice.

7.29 All expenses regarding the issuance of a payment order and/or the opening of documentary credit with *Banco do Brasil S/A*, or another financial institution indicated by the Contracting Authority (opening, advising, negotiation, and other resulting expenses), shall be borne by the CONTRACTOR, shall encumber and must be itemized in its price proposal/cost breakdown table. All expenses regarding the issuance of a payment order and/or documentary credit, or the contracting of the letter of credit (opening, advising, negotiation, and other resulting expenses), or regarding the renewal of the Letter of Credit, including those resulting from an exchange rate increase in the event of performance delay attributable to the Contractor, shall be borne by the Contractor.

7.30 OThe documentary credit shall be issued under the confirmed, irrevocable, and non-transferable modalities.

7.31 The validity of the documentary credit shall be sufficient to cover the execution period defined in this Notice and its Annexes.

7.32 The release of the irrevocable and non-transferable letter of credit opened in favor of the CONTRACTOR with *Banco do Brasil S/A* shall be effected promptly after confirmation of the definitive receipt of the material by the State Secretariat of Public Security - SSP.

Assignment of Credit

7.33. The fiduciary assignment of credit rights to a financial institution is permitted, pursuant to and in accordance with the procedures provided for in Brazilian SEGES/ME Instruction No. 53, of July 8, 2020, under the rules of this present section.

7.33.1. Non-fiduciary assignments of credit shall be subject to the prior approval of the contracting authority.

7.34. The effectiveness of the assignment of credit, of any nature, in relation to the Administration, is subject to the execution of an addendum to the administrative contract.

7.35. Without prejudice to the regular performance of the contractual obligation to comply with all qualification conditions by the contractor (assignor), the execution of the credit assignment addendum and the performance of the respective payments are also conditioned upon the tax and labor regularity of the assignee, as well as the certification that the assignee is not barred from bidding and contracting with the Public Administration, pursuant to current legislation, or from receiving tax or credit benefits or incentives, directly or indirectly, pursuant to Article 12 of Brazilian Law No. 8,429, of 1992, all in accordance with the terms of Opinion JL-01, of May 18, 2020.

7.36. The credit to be paid to the assignee is exactly that which would be destined to the assignor (contractor) for the execution of the contractual object, leaving absolutely unimpaired all defenses and exceptions to payment and all other exorbitant clauses to common law applicable in the public law legal regime governing administrative contracts, including the possibility of payment into a linked account or payment upon effective proof of the triggering event, where applicable, and the deduction of fines, disallowances (*glosas*), and damages caused to the Administration. (BRAZILIAN INSTRUCTIONAL NORMATIVE NO. 53, OF JULY 8, 2020, and Annexes).

7.37. The assignment of credit shall not affect the execution of the contracted object, which shall remain under the full responsibility of the contractor.

8. SUPPLIER SELECTION CRITERIA

8. FORM AND CRITERIA FOR SUPPLIER SELECTION

Selection method and proposal judging criteria

8.1. The supplier shall be selected by means of an INTERNATIONAL BIDDING procedure, in the ELECTRONIC TRADING / ELECTRONIC AUCTION mode (*Pregão Eletrônico*), with the adoption of the LOWEST PRICE judgment criterion, for Price Registration.

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8.1.2 Technical maturity of the ammunition shall be required of the best-ranked company, by proof that the ammunition offered was launched on the market at least 01 (one) year ago.

8.1.2.1 No ammunition model shall be accepted that has been subject to a recall process or functioning problems in the last 24 (twenty-four) months, to remedy defects related to its composition, failures in the ammunition's functioning mechanism, failures that compromise the durability or performance of the ammunition, or any defect that compromises the safety of the operator or third parties, or even by alleged improvement of the ammunition. The contracting party reserves the right to conduct extensive research by all lawful means to verify the suitability of the item offered in the proposal, and any omission regarding nonconformities shall result in the exclusion of the winning proposal and the summoning of the next-ranked bidder.

8.1.3 Proof of technical maturity may be provided through the presentation of a sales invoice, receipt certificate, statement, or declarations from the purchasing entities containing contact information for the responsible party, or another suitable instrument. The contractor must issue a declaration stating that it will provide support infrastructure and technical assistance nationwide, under penalty of disqualification of the proposal.

8.1.4 The contractor must issue a declaration stating that it will provide support infrastructure and technical assistance nationwide, under penalty of disqualification of the proposal.

8.1.5 Attention shall be paid to the sample requirement provided for in Section 4.

Supply Method

8.2. The supply of the object shall occur in installments, according to the needs of the Administration, upon issuance of the respective Supply Orders, with each installment being fully delivered in accordance with the quantities requested in each Supply Order.

Qualification Requirements

8.3. For qualification purposes, the bidder must prove the following requirements:

Legal Qualification

8.4. **Individual (Natural Person):** Identity card (RG) or equivalent document that, by force of law, is valid for identification purposes throughout the national territory;

8.5. **Individual Entrepreneur:** Registration with the Public Registry of Commercial Companies, managed by the Board of Trade of the respective headquarters;

8.6. **Microentrepreneur Individual - MEI: Certificate** of Microentrepreneur Individual Condition - CCMEI, the acceptance of which shall be conditional upon verification of authenticity on the website https://www.gov.br/empresas-e-negocios/pt-br/empreendedor;

8.7. **Business corporation, single-member limited liability company – SLU, or company identified as an individual enterprise of limited liability - EIRELI:** registration of the constituent act, bylaws, or articles of association with the Public Registry of Commercial Companies, managed by the Board of Trade of the respective headquarters, accompanied by a document proving the appointment of its managers;

8.8. **Foreign business company:** authorization decree to operate in Brazil, published in the Official Gazette of the Federal Government (*Diário Oficial da União*) and filed with the Board of Trade of the federative unit where the branch, agency, affiliate, or establishment is located, which shall be considered its headquarters;

8.9. **Simple society / Non-business partnership**: registration of the constituent act with the Civil Registry of Legal Entities of its headquarters, accompanied by a document proving the appointment of its managers;"

8.10. **Branch, affiliate, or agency of a simple society or business company:** registration of the constituent act of the branch, affiliate, or agency of the simple society or business company, respectively, with the Civil Registry of Legal Entities or the Public Registry of Commercial Companies where it operates, with an annotation in the Registry where the head office is located;

8.11. **Cooperative society:** foundation minutes and bylaws, along with the minutes of the assembly that approved them, duly filed with the Board of Trade or registered with the Civil Registry of Legal Entities of the respective headquarters, in addition to the registration referred to in Art. 107 of Brazilian Law No. 5,764, of December 16, 1971;

8.12. **Family farmer:** valid Declaration of Aptitude for PRONAF – DAP or DAP-P, or other documents defined by the Special Secretariat for Family Farming and Agrarian Development, pursuant to Art. 4, §2 of Brazilian Decree No. 10,880, of December 2, 2021.

8.13. **Rural Producer:** registration with the Specific INSS Registry – CEI, proving qualification as an individual rural producer, pursuant to RFB Normative Instruction No. 971, of November 13, 2009 (Arts. 17 to 19 and 165).

8.14 In the case of a foreign company, in the event of absence of equivalent documents, the person responsible for the foreign company's registration shall declare the situation in the proper field of the system.

8.15. The documents presented must be accompanied by all amendments or the respective consolidation.

Tax, social, and labor qualification

8.16. Proof of registration with the National Registry of Legal Entities (CNPJ) or the Individual Taxpayer Registry (CPF), as applicable;"

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8.17. Proof of tax regularity before the National Treasury, through the presentation of a certificate jointly issued by the Secretariat of the Federal Revenue of Brazil (RFB) and the Office of the Attorney General of the National Treasury (PGFN), regarding all federal tax credits and the National Treasury Active Debt (DAU) administered by them, including those related to Social Security, pursuant to Brazilian Joint Ordinance No. 1,751, of October 2, 2014, issued by the Secretary of the Federal Revenue of Brazil and the Attorney General of the National Treasury.

8.18. Proof of regularity with the Length of Service Guarantee Fund (FGTS);

8.19. Proof of absence of overdue debts before the Labor Courts, through the presentation of a clearance certificate or a positive certificate with the effect of a clearance certificate, pursuant to Title VII-A of the Consolidation of Labor Laws, approved by Brazilian Decree-Law No. 5,452, of May 1, 1943;

8.20. Proof of registration with the State or Municipal taxpayer registry relative to the supplier's domicile or headquarters, pertinent to its line of activity and compatible with the contractual object;

8.21. Proof of tax regularity with the State/Federal District or Municipal/Federal District Treasury of the supplier's domicile or headquarters, relative to the activity in the exercise of which it contracts or competes;

8.22. If the supplier is considered exempt from State or Municipal taxes related to the contractual object, it must prove such condition through the presentation of a declaration from the respective Treasury of its domicile or headquarters, or another equivalent, pursuant to the law;

8.23. The supplier classified as a microentrepreneur individual who intends to enjoy the benefits of differentiated treatment provided for in Brazilian Complementary Law No. 123, of 2006, shall be exempt from proof of registration in the state and municipal taxpayer registries.

8.23.1 In the case of a foreign company, in the event of absence of equivalent documents, the person responsible for the foreign company's registration shall declare the situation in the proper field of the system."

Financial and Economic Qualification

8.24. Certificate of no civil insolvency issued by the court clerk/registry of the bidder's domicile or headquarters, in the case of an individual, provided their participation in the bidding process is permitted (Art. 5, item II, sub-item “c”, of Brazilian SEGES/ME Normative Instruction No. 116, of 2021), or in the case of a simple society;

8.25. Certificate of no bankruptcy issued by the court clerk/registry of the supplier's headquarters – Brazilian Law No. 14,133, of 2021, Art. 69, caput, item II);

8.26. Balance sheet, income statement, and other financial statements for the last 2 (two) fiscal years, proving:

8.26.1. General Liquidity (GL), Current Liquidity (CL), and General Solvency (GS) ratios greater than 1 (one);

8.26.2. Companies established during the financial year of the bidding process must meet all qualification requirements and may replace the financial statements with an opening balance sheet.

8.26.3. The documents referred to above shall be limited to the last fiscal year in the event that the legal entity was incorporated less than 2 (two) years ago;

8.26.4. The documents referred to above shall be required based on the limit established by the Federal Revenue of Brazil for the transmission of Digital Bookkeeping - ECD to SPED.

8.27. If the bidding company presents a result lower than or equal to 1 (one) in any of the General Liquidity (GL), General Solvency (GS), and Current Liquidity (CL) ratios, a minimum net worth of 10% of the total estimated value of the contract shall be required for qualification purposes.

8.28. Companies established during the financial year of the bidding process must meet all qualification requirements and may replace the financial statements with an opening balance sheet. (Brazilian Law No. 14,133, of 2021, Art. 65, § 1).

8.29. Compliance with the economic ratios provided for in this item must be certified by means of a declaration signed by a qualified accounting professional, presented by the supplier.

8.29.1 In the case of a foreign company, in the event of absence of equivalent documents, the person responsible for the foreign company's registration shall declare the situation in the proper field of the system.

Technical Qualification

8.30. Proof of aptitude for the supply of similar goods of equivalent or superior technological and operational complexity to the object of this procurement, or to the relevant item, through the presentation of certificates or statements of technical capability, issued by legal entities under public or private law, or regularly issued by the competent professional council, as applicable.

8.30.1. For the purposes of the proof referred to in this sub-item, the statements of technical capability shall relate to contracts executed with the following minimum characteristics:

8.31.1. 1. Characteristics: Supply of ammunition

8.31.1.2. Quantities: at least 50 percent of the quantity of the object procured.

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8.31.2. For the purpose of proving the minimum quantity, the submission and aggregation of different statements of technical capability executed concurrently shall be permitted.

8.31.3. Statements of technical capability may be presented in the name of the supplier's head office or branch.

8.31.4. The bidder shall provide all necessary information to prove the legitimacy of the statements of technical capability, presenting, when requested by the Administration, a copy of the underlying contract, the current address of the contracting party, and the location where the contracted object was executed, among other documents.

8.31.5 In the case of a Brazilian company, proof of authorization for manufacture and commercialization shall be submitted by means of an Experimental Technical Report (RETEX) issued by the Brazilian Army.

8.31.6 Para empresa estrangeira, comprovação de autorização de fabricação e comercialização, similar ao Relatório Técnico Experimental (RETEX) supracitado, por meio de documento emitido por banco de prova ou Órgão Oficial do país de origem.

8.31.7 Foreign companies participating in the bidding process shall be mandatorily required to accredit a legal representative in Brazil.

8.31.7.1 Foreign companies with legal representation in Brazil shall also possess express powers to receive service of process and respond administratively or judicially, in accordance with Art. 70, sole paragraph, of Brazilian Law No. 14,133/2021, under which qualification requirements shall be met through equivalent documents, subject to the provisions of the Convention Abolishing the Requirement of Legalisation for Foreign Public Documents, promulgated by Brazilian Decree No. 8,660, of January 29, 2016. The documentation shall be verified by the bidding officer (pregoeiro) during the qualification phase, as provided by law, and conduct of due diligence may be performed for verification.

8.31.8 Foreign documents, including equivalent qualification documents, must be submitted accompanied by a translation into the Portuguese language, and an informal translation (simple translation) may initially be accepted.

8.31.9 . In the case of importation, it will be necessary to obtain an International Import Certificate (CII), which shall be the responsibility of the contracting party, where the case so requires, as well as the certificate of conformity and the Import License (LI) from the Brazilian Army, the latter being the responsibility of the contractor.

8.31.10 In the case of a foreign company, in the event of absence of equivalent documents, the person responsible for the foreign company's registration shall declare the situation in the proper field of the system.

9. ESTIMATES OF THE PROCUREMENT VALUE

[Confidential Content | Justification: Art. 24. Provided it is justified, the estimated budget of the procurement may have a confidential character, without prejudice to the disclosure of the breakdown of quantities and other information necessary for the preparation of proposals, and, in this case: I - confidentiality shall not prevail over internal and external control bodies; Such a measure seeks greater competition among bidders who, upon knowing the amount that the Administration intends to pay, tend to remain close to the reference value. In summary, making the estimated amount for the procurement confidential becomes a tool that favors the Administration as it enables more advantageous prices]

9. ESTIMATES OF THE PROCUREMENT VALUE

9.1. The estimated cost of the procurement has a confidential character and shall be made public only and immediately after the evaluation of proposals.

9.2. In the case of a bidding process for Price Registration, the registered prices may be altered or updated as a result of a possible reduction in market prices or an event that increases the cost of the registered goods, works, or services, under the following situations (Art. 25 of Brazilian Decree No. 11,462/2023):

9.2.1. In the event of force majeure, act of God, or act of government (fait du prince), or as a result of unpredictable events or predictable events with incalculable consequences, which make the execution of the minute impracticable as agreed, pursuant to the provisions of item 'd' of section II of the caput of Art. 124 of Brazilian Law No. 14,133, of 2021;

9.2.2. In the event of the creation, alteration, or extinction of any taxes or legal charges, or the supervenience of legal provisions, with proven impact on the registered prices;

9.2.3. In the event of price adjustment on registered prices, provided that the one-year period requirement and the index stipulated for the procurement are observed; or

9.2.4. In the event of price renegotiation (*repactuação*), upon request of the interested party, in accordance with the criteria defined for the procurement.

10. BUDGETARY ADEQUACY

10. BUDGETARY ADEQUACY

10.1. In bidding processes for Price Registration, the indication of the budgetary allocation is required only prior to the signing of the contract.

I hereby certify, under my responsibility, that the content of the Terms of Reference is limited to the minimum essential for the satisfaction of the public interest, present in the generality of products and models existing on the market, not setting forth any brand, exclusive, excessive, pertinent, irrelevant, or unnecessary specification, characteristic, or requirement that may steer the bidding process or limit or frustrate competition or the execution of the contractual object.

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1. RESPONSIBLE PARTIES

All electronic signatures follow the official Brasília time and are based on Paragraph 3 of Art. 4 of Brazilian Decree No. 10,543, of November 13, 2020.

This document has been translated into English using a **non-sworn translation**, in accordance with Article 41 of Brazilian Decree No. 10.024/2019 and the guidelines set forth in Article 67, §4 of Brazilian Law No. 14.133/2021.

ALEX FELIX DE ARAUJO

2º Sgt QP PM

Electronically signed on 04/11/2026 at 12:35:02

RAPHAEL JOSE OLIVEIRA DE ALMEIDA

MAJ QOEM PM

Electronically signed on 04/11/2026 at 12:31:45

5070 sayılı kanun gereğince güvenli elektronik imza ile imzalanmıştır. ID:4EABC1DF142C454EABC1. Bu kod ile https://evrak.oaib.org.tr/ adresinden doğrulayabilirsiniz.