

**BRAZILIAN NAVY
NAVY INDUSTRIAL DIRECTORATE
REVERSE E-AUCTION**

TERMS OF REFERENCE

1 - GENERAL CONTRACTING CONDITIONS

1.1 - Supply of spare parts for the maintenance of the Submarine class Riachuelo during the ship docking routine, according to the conditions, quantities and requirements contained in these Terms of Reference:

OUR REFERENCE	NSN	DESCRIPTION	UNIT OF SUPPLY	QUANTITY	ESTIMATED TOTAL PRICE
PG71200-2025-01884	5330-14-578-0470	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION ABKV - OUTSIDE DIAMETER 58,5 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 49,6 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED JOINT DE CHAPEAU DN 32 BY CONTROLLING AGENCY MATT - MATERIAL PLASTIC POLYTETRAFLUOROETHYLENE STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment A)	UN	10	\$629,24
PG71200-2025-02170	4320-14-585-3169	PARTS KIT,ROTARY PUMP NAME - ITEM NAME PARTS KIT,ROTARY PUMP AGAV - END ITEM IDENTIFICATION ELECTROPOMPE A VIS AJJW - COMPONENT QUANTITY 9,0 AJJX - COMPONENT DOCUMENT ORIGIN INDUSTRIAL AJJY - DOCUMENT SOURCE S3863 AJKD - NONSUPPLY ITEMS AND QUANTITIES IMO AB; REPERES: 134 LOCKING SCREW; 162 NYLON SLEEVE SOCKET; 418 GASKET; 423 GASKET; 506 O-RING ALT GASKET; 509 SHAFT SEAL; 556 GASKET; 602 SEALING WASHER; 605 O-	UN	2	\$1.032,94

		RING. AYDR - DOCUMENT IDENTIFICATION ACD LOW PRESSURE PUMP CXCX - PART NAME ASSIGNED G053 MINOR KIT BY CONTROLLING AGENCY			
PG71200-2025-02471	5930-14-294-9662	SWITCH,SENSITIVE NAME - ITEM NAME SWITCH,SENSITIVE AAQL - BODY STYLE BUSHING MOUNTED ABFE - HAZARDOUS RAINTIGHT LOCATIONS/ENVIRONMENTAL PROTECTION ABPM - BODY DIAMETER 21,0 MILLIMETERS NOMINAL ABXD - BUSHING LENGTH 54,0 MILLIMETERS NOMINAL AFUQ - ACTUATOR STYLE R49 AFUU - ACTUATOR FREE POSITION HEIGHT 36,5 MILLIMETERS NOMINAL AFUV - ACTUATOR ROLLER DIAMETER 10,0 MILLIMETERS NOMINAL AFUW - ACTUATOR ROLLER WIDTH 3,0 MILLIMETERS NOMINAL AFXE - MAXIMUM VOLTAGE RATING IN VOLTS 115,0 AC AND 30,0 DC AKNA - INCLOSURE TYPE HERMETICALLY SEALED AXGY - MOUNTING METHOD THREADED BUSHING CRRM - SWITCH RELEASE FORCE 1800,0 GRAMS MINIMUM CSJN - SWITCH ACTUATING FORCE 3500,0 GRAMS MAXIMUM CXCX - PART NAME ASSIGNED INVERSEUR FIN DE COURSE BY CONTROLLING AGENCY CXQQ - ACTUATOR MOVEMENT COURSE TOTALE, MILLIMETRES, MAXIMAL 8,0 AND COURSE DE COMMANDE, MILLIMETRES, MAXIMAL 2,0 AND COURSE DIFFERENTIELLE, MILLIMETRES, MAXIMAL 0,6 CXQR - CONTACT LOAD CURRENT RATING AT MAXIMUM RATED VOLTAGE 5,0 AMPERES CC AMP AND 3,0 AMPERES LC AMP AND 5,0 AMPERES CB	UN	5	\$17.156,62

		AMP AND 3,0 AMPERES LB AMP TTQY - TERMINAL TYPE AND QUANTITY 6,0 QUICK DISCONNECT, MALE, SINGLE BLADE			
PG71200-2026-01892	5330-14-595-6305	GASKET ASSORTMENT NAME - ITEM NAME GASKET ASSORTMENT AGAV - END ITEM IDENTIFICATION POMPE CENTRIFUGE 80 160 V MONO CXCX - PART NAME ASSIGNED KIT JOINTS BY CONTROLLING AGENCY SUPP - SUPPLEMENTARY FEATURES NSPA / LD PROGRAMME COMPRED : 1 JOINT TORIQUE 16X2,5; 1 JOINT TORIQUE 172X3; 1 JOINT TORIQUE 14X1,78	UN	2	\$575,22
PG71200-2026-01893	4320-14-585-9940	SEAL ASSEMBLY, SHAFT, SPRING LOADED NAME - ITEM NAME SEAL ASSEMBLY, SHAFT, SPRING LOADED AGAV - END ITEM IDENTIFICATION 43-25-B25; ELECTROPOMPE FEAT - SPECIAL FEATURES POMPE TYPE 80-160-V MONO ADDITIONAL INFORMATION: technical drawing (attachment B)	UN	2	\$11.781,76
PG71200-2026-02045	5331-14-602-6365	O-RING NAME - ITEM NAME O-RING ADV - CROSS-SECTIONAL HEIGHT 3,43 MILLIMETERS MINIMUM AND 3,63 MILLIMETERS MAXIMUM ADYT - CENTER HOLE DIAMETER 252,19 MILLIMETERS MINIMUM AND 255,39 MILLIMETERS MAXIMUM CQFM - HARDNESS RATING 80,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE NOMINAL FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER FLUOROCARBON CLASS FPM MDCL - MATERIAL DOCUMENT NFL17- 260. CLASSE 64. S-CLASSE C. CAT ; CLASSE DE PRECISION B AND CLASSIFICATION SUIVANT NF ISO 3601-1; CLASSE DE QUALITE N SUIVANT NF ISO 3601-3	UN	4	\$203,94

		ADDITIONAL INFORMATION: technical drawing (attachment C)			
PG71200-2026-02049	5331-14-427-6673	O-RING NAME - ITEM NAME O-RING ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS ADV N - CROSS-SECTIONAL HEIGHT 1,78 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 44,17 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM FEAT - SPECIAL FEATURES QUALITE AVIATION, EMBALLAGE UNITAIRE, POCHETTE OPAQUE, MARQUAGE SELON NF L17-102 MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT NFL17- 120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL SPEC SINGLE AND CLASSIFICATION MATERIAL RESPONSE ADDITIONAL INFORMATION: technical drawing (attachment D)	UN	1	\$110,24
PG71200-2026-02053	5330-14-584-2082	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION ABKV - OUTSIDE DIAMETER 174,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 121,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 2,0 MILLIMETERS NOMINAL FEAT - SPECIAL FEATURES JOINT POUR POMPE TYPE 9 PMSB 160V AA 26-19-B 5 (fr: Joint pour pompe type 9 PMSB 160V AA 26-19-B 5) MATT - MATERIAL BUTALIEGE STYL - STYLE DESIGNATOR CIRCULAR	UN	1	\$463,58
PG71200-2026-02054	4130-14-595-8142	FILTER ELEMENT,AIRCONDITIONING NAME - ITEM NAME FILTER ELEMENT,AIR CONDITIONING ABMK - OVERALL WIDTH 235,0 MILLIMETERS NOMINAL CXCY - PART NAME ASSIGNED FILTRE A	UN	10	\$1.767,88

		POUSSIERES NIC BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES LONGUEUR HORS TOUT: 305 MM. STYL - STYLE DESIGNATOR RECTANGULAR (INCL SQUARE) ADDITIONAL INFORMATION: technical drawing (attachment E)			
PG71200-2026-02060	5340-14-598-3742	ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment F)	UN	2	\$16.712,94
PG71200-2026-02061	4320-14-585-9939	SEAL ASSEMBLY,SHAFT,SPRING LOADED NAME - ITEM NAME SEAL ASSEMBLY,SHAFT,SPRING LOADED AGAV - END ITEM IDENTIFICATION 26-19-B5; ELECTROPOMPE FEAT - SPECIAL FEATURES POMPE TYPE 9 PMSB 160 V AA ADDITIONAL INFORMATION: technical drawing (attachment G)	UN	1	\$10.838,32
PG71200-2026-02062	5330-14-349-1149	SEAL,PLAIN NAME - ITEM NAME SEAL,PLAIN ABVM - ACCOMMODATED SHAFT DIAMETER 3,0 MILLIMETERS NOMINAL ADUC - SEAL WIDTH 1,9 MILLIMETERS MAXIMUM CPCW - HOUSING BORE DIAMETER 17,5 MILLIMETERS NOMINAL CQCF - CONSTRUCTION TROIS ELEMENTS CXCY - PART NAME ASSIGNED BAGUE D'ETANCHEITE RUCH DN 10,20 SPECIAL MANOMETRE A JOINT BY CONTROLLING AGENCY TORIQUE USAGE GENERALE POUR TECHNOLOGIES INOX ET CUIVRE FEAT - SPECIAL FEATURES JOINT TORIQUE DIMENSIONS 8,9X1,9 (fr: Joint torique dimensions 8,9X1,9) MATT - MATERIAL PACKING RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR MATT - MATERIAL INNER RING STEEL COMP Z2CN18-10 MATT - MATERIAL OUTER RING PLASTIC POLYTETRAFLUOROETHYLENE ADDITIONAL INFORMATION: technical drawing (attachment H)	UN	86	\$3.672,94
PG71200-2026-02067	5331-14-590-1301	O-RING NAME - ITEM NAME O-RING	UN	7	\$368,36

		ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS ADVN - CROSS-SECTIONAL HEIGHT 1,8 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 14,0 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 80,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE NOMINAL MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT NFL17- 120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL SPEC SINGLE AND CLASSIFICATION MATERIAL RESPONSE SUPP - SUPPLEMENTARY FEATURES CONFORME AU STANDARD NAVAL GROUP STF330702/019E TEST - TEST DATA DOCUMENT F0111-L17- 106 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.). ADDITIONAL INFORMATION: technical drawing (attachment I)			
PG71200-2026-02078	5330-14-589-1056	SEAL,PLAIN NAME - ITEM NAME SEAL,PLAIN ABVM - ACCOMMODATED SHAFT DIAMETER 26,67 MILLIMETERS NOMINAL ADUC - SEAL WIDTH 2,88 MILLIMETERS NOMINAL CPCW - HOUSING BORE DIAMETER 22,6 MILLIMETERS NOMINAL CQCF - CONSTRUCTION 3 PIECES FEAT - SPECIAL FEATURES JOINT TORIQUE DIMENSIONS 26,20X3,60 (fr: Joint torique dimensions 26,20x3,60) MATT - MATERIAL SUIVANT STF33-07-02- 019E : NBR 20A8 MATT - MATERIAL X2CRNI18-9 MATT - MATERIAL PLASTIC POLYTETRAFLUOROETHYLENE	UN	69	\$8.177,72
PG71200-2026-02086	5310-14-582-0078	WASHER,KEY NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 16,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 26,0 MILLIMETERS NOMINAL	UN	16	\$639,95

		ABLC - EXTERNAL STRAIGHT KEY WIDTH 14,0 MILLIMETERS NOMINAL ABPX - MATERIAL THICKNESS 1,5 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED FREINS D'ECROU EN ACIER BY CONTROLLING AGENCY MATT - MATERIAL ACIER COMP S185 NRAA - DISTANCE FROM CENTERLINE TO END OF LONGEST KEY 28,0 MILLIMETERS NOMINAL NRAB - DISTANCE FROM CENTERLINE TO END OF SHORTEST KEY 22,0 MILLIMETERS NOMINAL STYL - STYLE DESIGNATOR A222 ADDITIONAL INFORMATION: technical drawing (attachment J)			
PG71200-2026-02097	5330-14-594-9411	PACKING WITH RETAINER NAME - ITEM NAME PACKING WITH RETAINER ABHE - OUTSIDE DIAMETER 29,0 MILLIMETERS NOMINAL ADTJ - RETAINER THICKNESS 2,0 MILLIMETERS NOMINAL AFFW - RETAINER INSIDE DIAMETER 22,4 MILLIMETERS NOMINAL AFFX - PACKING INSIDE DIAMETER 20,7 MILLIMETERS NOMINAL CQCF - CONSTRUCTION ONE-PIECE CTPZ - PACKING RING THICKNESS 2,8 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED GARNITURE D'ETANCHEITE AVEC GRAIN DE RETENUE TYPE BAGUE BS BY CONTROLLING AGENCY C20 20A8 FEAT - SPECIAL FEATURES MATIERE DU GRAIN: RESISTANCE A LA RUPTURE RM 590MPA MINI; EMBALLAGE UNITAIRE OPAQUE PROTEGEANT DES UV RESPECTANT LA NORME NF L17-103 POUR LA PIECE EN CAOUTCHOUC. MATT - MATERIAL RETAINER ACIER DOUX DC01 C590 OR ACIER DOUX DC03 C590 OR ACIER DOUX DC04 C590 OR ACIER NON ALLIE E470 (1.0536) OR ACIER COMP 36SMNPB14 (1.0765)	UN	6	\$1.277,55

		MATT - MATERIAL SEALING ELEMENT RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT RME NATIONALE, 1ERE A 3EME MATIERE NF EN 10139 INTERNATIONAL AND CLASSIFICATION STD/SPEC O OR NF EN 10294-1 NATIONAL SPEC 4TH MATERIAL RETAINER RESPONSE OR NF EN 10277-3 NATIONAL SPEC 5TH MATERIAL RESPONSE MDCL - MATERIAL DOCUMENT NF L17- 120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL SPEC SINGLE AND CLASSIFICATION MATERIAL RESPONSE SEALING ELEMENT			
PG71200-2026-02101	3110-14-583-6851	BEARING,BALL,ANNULAR NAME - ITEM NAME BEARING,BALL,ANNULAR ABMK - OVERALL WIDTH 23,0 MILLIMETERS NOMINAL ABXV - BORE DIAMETER 65,0 MILLIMETERS NOMINAL ADGA - OVERALL OUTSIDE DIAMETER 120,0 MILLIMETERS NOMINAL ADZG - LUBRICATION MATERIAL OIL OR GREASE AGYE - SURFACE FINISH GROUND AGZC - LOAD DIRECTION ANGULAR FEAT - SPECIAL FEATURES ANGLE DE CONTACT NOMINAL 25 DEGRES STYL - STYLE DESIGNATOR 4 POINT BALL CONTACT, SOLID INNER AND OUTER RINGS, NON-SEPARABLE	UN	2	\$3.650,19
PG71200-2026-02115	4130-14-599-2571	COMPRESSOR,REFRIGERATION NAME - ITEM NAME COMPRESSOR,REFRIGERATION AGAV - END ITEM IDENTIFICATION SOUS-MARIN TYPE BRESIL FEAT - SPECIAL FEATURES COMPRESSEUR BITZER 2CES-3(Y) MODIFIE PAR SNORI : REBOBINAGE EN 115V, CHANGEMENT ORIENTATION VANNE HP DE 180°, MODIFICATION D'UN TARAUDAGE	UN	1	\$8.829,53
PG71200-2026-02122	5331-14-590-0870	O-RING NAME - ITEM NAME O-RING ABHE - OUTSIDE DIAMETER 11,1 MILLIMETERS NOMINAL ABJH - TEMP RATING M30,0 CELSIUS AND	UN	2	\$94,59

		120,0 CELSIUS ADV - CROSS-SECTIONAL HEIGHT 1,8 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 7,5 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM CXC - PART NAME ASSIGNED JOINT TORQUE 7,50X1,80 20A8 CLASSES A-N STF 33-07-02/019E BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT NF L17- 120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE ZZZK - SPECIFICATION/STANDARD DATA CLASSE DE PRECISION A - NF ISO 3601-1 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD AND CLASSE DE QUALITE N - ISO 3601-3 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD			
PG71200-2026-02129	5330-14-593-7398	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION AAUB - HOLE DIAMETER 11,0 MILLIMETERS NOMINAL ABHP - OVERALL LENGTH 734,0 MILLIMETERS NOMINAL ABMK - OVERALL WIDTH 496,0 MILLIMETERS NOMINAL ADUE - APERTURE WIDTH 634,0 MILLIMETERS NOMINAL ADUF - APERTURE LENGTH 400,0 MILLIMETERS NOMINAL ADUY - CENTER TO CENTER DISTANCE BETWEEN BOLT HOLES ALONG WIDTH 93,2 MILLIMETERS NOMINAL ADUZ - CENTER TO CENTER	UN	1	\$3.308,71

		DISTANCE BETWEEN BOLT HOLES ALONG LENGTH 88,0 MILLIMETERS NOMINAL ADVN - OUTSIDE EDGE TO BOLT HOLE CENTER DISTANCE ALONG WIDTH 15,0 MILLIMETERS NOMINAL ADVE - OUTSIDE EDGE TO BOLT HOLE CENTER DISTANCE ALONG LENGTH 15,0 MILLIMETERS NOMINAL ADVN - CROSS-SECTIONAL THICKNESS 2,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 26,0 CTRH - OUTSIDE EDGE TO INSIDE EDGE SMALLEST DISTANCE ALONG WIDTH 48,0 MILLIMETERS NOMINAL CTSC - OUTSIDE EDGE TO INSIDE EDGE SMALLEST DISTANCE ALONG LENGTH 50,0 MILLIMETERS NOMINAL CXCY - PART NAME ASSIGNED JOINT BY CONTROLLING AGENCY MATT - MATERIAL RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR NON-CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment K)			
PG71200-2026-02136	9390-14-406-6928	NONMETALLIC SPECIAL SHAPED SECTION NAME - ITEM NAME NONMETALLIC SPECIAL SHAPED SECTION CXCY - PART NAME ASSIGNED PROFILE CAOUTCHOUC-NEOPRENE NOIR REPERE 1 BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME RUBBER CHLOROPRENE CLASS CR	MR	25	\$5.589,71
PG71200-2026-02196	4810-14-586-2695	REPAIR KIT,VALVE NAME - ITEM NAME REPAIR KIT,VALVE AGAV - END ITEM IDENTIFICATION SECHEUR HDK\ ADSORPTION DRYER / TGM60/100 AJJW - COMPONENT QUANTITY 6,0 CXCY - PART NAME ASSIGNED KIT REPARATION ELECTROVANNE / SOLENOID VALVE KIT BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES 5 BOBINES POUR ELECTROVANNE	UN	1	\$27.222,25

		115V/50-60HZ-IP65 - REDRESSEUR / 5 COILS FOR SOLENOID VALVE 115V/50- 60HZ-IP65- RECTIFIER PLUG			
PG71200-2026-02197	4810-14-586-2672	REPAIR KIT,VALVE NAME - ITEM NAME REPAIR KIT,VALVE AGAV - END ITEM IDENTIFICATION TGM60/100 AJJW - COMPONENT QUANTITY 9,0 CXCX - PART NAME ASSIGNED SPARE PARTS KIT FOR 160H FUNCTIONING OR 24 MONTHS - BY CONTROLLING AGENCY MAINTENANCE KIT 12 MONTHS ADSORPTION DRYER HDK-MT12A FEAT - SPECIAL FEATURES NSPA / LD PROGRAMME 2X Y2/Y3 EXPANSION MAIN VALVE KIT - 2X Y1/Y2 INLET MAIN VALVE KIT - 1 RESET KEY - 4X O RINGS FOR COLUMNS/BLOCK VALVES	UN	1	\$10.218,82
PG71200-2026-02198	4310-14-586-2649	PARTS KIT,AIR FILTER NAME - ITEM NAME PARTS KIT,AIR FILTER AGAV - END ITEM IDENTIFICATION TGM60/100 CXCX - PART NAME ASSIGNED DUST SCREEN FILTER / KIT DE 4 GRILLES BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES NSPA / LD PROGRAMME GRILLES CIRCULAIRES PERFOREES DIAM 88 MM / PERFORATED CIRCULAR SCREEN DIAM 88 MM ADDITIONAL INFORMATION: technical drawing (attachment L)	UN	2	\$852,61
Total					\$135.175,61

1.2 - The object of the tender is not a luxury item.

1.3 - Considering that the spare parts, required for the maintenance of Submarine class Ria-chuelo, have standard codes in the cataloging system adopted by NATO with recognised and usual specifications in the market, it is understood that the items object of the tender are of a common nature for the purpose of using the tender modality reverse e-auction.

1.4 - The Purchase Order will remain in force until receipt of the order and payment.

2 - DESCRIPTION AND JUSTIFICATION FOR PROCUREMENT

2.1 - This document is regarding requests for the supply of items for the Navy Supply System for use during the maintenance periods foreseen in the General Maintenance Program (PROGEM).

2.2 - The PROGEM is a planning document prepared by the Operations Sector, according to the cycle of activities of each Ship, for a period of four years, and with the purpose of providing the naval, air-naval and Marine forces with full operational capacity.

2.3 - The maintenance periods are scheduled in the PROGEM, as a way to enable maintenance activities to be carried out.

2.4 - Maintenance is defined as the set of technical and administrative activities carried out in order to keep something in proper condition for use with reliability, safety and at appropriate cost and, in case of malfunctions, to bring it back to proper condition.

2.5 - Properly performed maintenance increases the useful life of equipment, reduces the need for supplies and allows saving resources to serve other purposes.

2.6 - Planned maintenance is carried out in a systematic and scheduled manner and takes into consideration all the necessary elements for performance: labour, material and time.

2.7 - The maintenance periods have their duration defined, in principle, by the Ship class or type. However, planning of the service, schedule and monitoring will only be efficient if the necessary spare parts are available at the Service Provider Military Organization at the right time.

2.8 - The absence of, or delay in obtaining the spare parts will cause increased costs, inefficient use of labour and delays in completing maintenance among other inconveniences, in addition to the Ship's unavailability to fulfill the Brazilian Navy's constitutional duties of public interest.

2.9 - All Military Organizations within the Brazilian Navy are responsible for maintenance since the scope includes all the infrastructure of the Navy.

2.10 - The object of the tender is in the Resource Application Program (PAR), as detailed below:

a) PAR code: 01/2026

b) Date of approval of addition to the PAR: 08/12/2025

c) Economic activity: 339030

3 - DESCRIPTION OF THE SOLUTION AS A WHOLE CONSIDERING THE OBJECT LIFE CYCLE AND THE PRODUCT SPECIFICATION

3.1 - The supply of spare parts is for use on the Selective Restricted Availability for maintenance of the Submarine class Riachuelo, ensuring the ability of the Brazilian Navy to perform its missions.

3.2 - The object of the tender is divided into items with the aim of increasing competitiveness, the basic principle of the tender process, and to allow tenderers to present individualized proposals for each one of them, and the decision is to be made in relation to each item, which usually results in more beneficial prices.

3.3 - Proposals must meet all quality requirements in order to enable the selection of the most advantageous one through competitive tendering.

3.4 - Every spare part has a lifespan, which is an estimate of the useful life of a product based on technical conditions.

3.5 - The specifications, characteristics and models contained in the list of items indicate in detail the quality of the items able to meet the requests and, therefore, decrease or eliminate the possibility of acquisition of less durable items, which are likely to create a need for new replacement.

4 - REQUIREMENTS

Sustainability

4.1 - The Supplier must conduct business in accordance with the principle of sustainable development and adhere to internationally recognised fundamental standards for occupational health and safety, environmental protection, labour and human rights as well as responsible corporate governance.

Indication of brands or models

4.2 - In this tender, the indication of brands, characteristics and models are permitted due to the need to maintain standardisation and compatibility with technical and performance specifications required by the Brazilian Navy, according to the justifications contained in the Preliminary Technical Studies.

Subcontracting

4.3 - Subcontracting will not be allowed.

Performance guarantee

4.4 - The need of a performance guarantee is specifically associated with the complexity of the object and the potential risks of execution of the Purchase Order. Given the low complexity of the object, there is no need for a performance guarantee, as its adoption would only increase the price.

5 - TYPE OF DELIVERY

Delivery terms

5.1 - According to INCOTERMS 2020:

Country of origin	FCA	FOB
AUSTRIA	-	HAMBURG
BELGIUM	-	HAMBURG
DENMARK	-	HAMBURG
FINLAND	-	HAMBURG
FRANCE	PARIS (LE BOURGET)	LE HAVRE
GERMANY	-	HAMBURG
GREAT BRITAIN	LONDON DEPOT	LONDON DEPOT
ITALY	-	GENOVA (LA SPEZIA)
LIECHTENSTEIN	-	HAMBURG
NETHERLANDS	-	HAMBURG
NORWAY	-	HAMBURG
PORTUGAL	-	LISBON
SPAIN	-	BARCELONA
SWEDEN	-	HAMBURG
SWITZERLAND	-	HAMBURG

5.2 - Alternatively, and for countries of origin not listed above, delivery shall be CIP/CIF Rio de Janeiro, Brazil.

5.3 - The Purchase Order provides further details of the rules that apply in relation to delivery.

Goods warranty

5.4 - A certificate of warranty of at least 12 months from the date of delivery will be required from the Supplier.

5.5 - The Supplier undertakes to substitute, at no expenses to the Navy, any goods found to be defective due to incorrect design, faulty material or workmanship. This warranty is valid if the goods have been properly handled and used in accordance with instructions from the Supplier. Notification of any defect must be made promptly upon any defect arising and before the warranty period expires.

5.6 - The faulty goods, where applicable, will be returned by the Navy to the Supplier at the Supplier's expenses.

5.7 - At the Supplier's expense, the faulty goods will be returned to the Navy repaired, or identical working items will be supplied to replace them.

5.8 - For items classified as perishable, elastomeric, chemical or with defined shelf-life, the supplier must also provide the following information:

- a) Lot/Batch Number;
- b) Date of manufacture - DOM;

c) Expiration Date or Shelf-Life

6 - MONITORING AND SUPERVISION OF PERFORMANCE

6.1 - A representative will be appointed to monitor and supervise the delivery of the goods, making notes in a proper register of all occurrences related to performance and determining what is necessary to correct the flaws or defects found.

6.2 - The inspection referred to in this item does not exclude or reduce the Supplier's liability, including in relation to third parties, for any irregularity, even if resulting from technical imperfections or latent defects.

6.3 - The representative of the Navy will record in the appropriate register all occurrences related to the supply, indicating the day, month and year, as well as the name of the employees eventually involved, determining what is necessary to correct the observed flaws or defects and forwarding the notes to the competent authority for the appropriate measures.

7 - RECEIPT AND PAYMENT

Receipt of the order

7.1 - The goods must be delivered according to INCOTERMS 2020 and instructions contained in the Purchase Order.

7.2 - The goods will be provisionally received for the purpose of subsequent verification of conformity with the specifications.

7.3 - The goods may be rejected, in whole or in part, when not in accordance with the specifications and must be replaced at the Supplier's expense.

7.4 - Final receipt of the goods will be after quality and quantity check and consequent acceptance.

Validation of expenditure

7.5 - A duly signed original commercial invoice with full bank details is required for validation of the expenditure.

Payment terms

7.6 - As specified in the Purchase Order, payment will be made against the original commercial invoice within 30 days after delivery through bank transfer to the account indicated by the Supplier.

8 - SUPPLIER SELECTION METHOD AND CRITERIA

Proposal selection method and evaluation criteria

8.1 - The Supplier will be selected through a tender process, in the reverse e-auction format, based on the lowest price per item.

Qualification requirements

8.2 - For purposes of qualification, the tenderer must submit the following documents:

Legal qualification

8.3 - Certificate of incorporation of equivalent document. If the document has already been presented at the time of registration with the BNCE, submission may be waived.

Technical, economic and financial qualification

8.4 - The submission of documents related to the company's technical, economic, and financial records is waived because the acquisition is to be made through a Purchase Order.

9 - ESTIMATED PRICES

9.1 - The estimated total price is USD 135.175,61 , according to the prices shown in table in item 1.1.

10 - BUDGET ADEQUACY

10.1 - The expenses arising from any eventual Purchase Order will be supported by specific financial resources included in this year's General Budget of the Brazilian Government, as detailed below:

- a) Operation/Unit: 0001 / UGR: 91535, 91536, 91537, 91530, 91534 UGE: 40015;
- b) Funding source: 3050000144, 1050000144, 1000000000;
- c) Work program: 236871, 236885;
- d) Item of expenditure: 339030;
- e) Internal plan: P.3DR.HU, P.3X1.HU, P.3X2.HU, P.3X3.HU, P.3X4.HU, P.3X1.RI , P.3X3.RI , P.3X4.RI, P.3DR.TO, P.3X1.TO, P.3DR.RI.

Rio de Janeiro, RJ, 25th May 2026.

SAINT-CLAIR DANTAS OLIVEIRA SANTOS

Captain (Ret.)

Submarine Project Management Chief of Department

LEANDRO BRILHANTE REGLY
Lieutenant-Commander
Supply Advisor

FELIPE GOMES FONTES
Lieutenant-Commander
Ship Manager

Approved by:

MARCELO ANTONIO ROCHA AFONSO
Captain
Expenditure Authorising Officer