

**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
PG71200-2026-00173	5330-14-209-0938	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE RECTANGULAR METAL ABKV - OUTSIDE DIAMETER 44,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 39,2 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 2,0 MILLIMETERS NOMINAL MATT - MATERIAL COPPER ALLOY CU/A3 MDCL - MATERIAL DOCUMENT NF A 53- 100 NATIONAL SPEC SINGLE MATERIAL RESPONSE AND CLASSIFICATION STYL - STYLE DESIGNATOR CIRCULAR	UN	17	\$573,31
PG71200-2026-00184	5330-14-584-9890	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION ABKV - OUTSIDE DIAMETER 34,0 MILLIMETERS MINIMUM AND 34,3 MILLIMETERS MAXIMUM ABVL - APERTURE DIAMETER 25,7 MILLIMETERS MINIMUM AND 26,0 MILLIMETERS MAXIMUM ADVM - CROSS-SECTIONAL THICKNESS 2,8 MILLIMETERS MINIMUM AND 3,2 MILLIMETERS MAXIMUM CXCX - PART NAME ASSIGNED JOINT BY CONTROLLING AGENCY MATT - MATERIAL RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR	UN	34	\$482,64

		MDCL - MATERIAL DOCUMENT NFL17-120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE STYL - STYLE DESIGNATOR CIRCULAR			
PG71200-2026-00186	5315-14-604-3588	PIN,GROOVED,HEADLESS NAME - ITEM NAME PIN,GROOVED,HEADLESS AAGZ - FIRST END STYLE X3 ABHP - OVERALL LENGTH 90,0 MILLIMETERS NOMINAL CQBB - SECOND END RELATIONSHIP WITH FIRST END IDENTICAL CQFX - PIN SMALL END DIAMETER 14,0 MILLIMETERS NOMINAL CRDY - FIRST END LOCATION BOTH ENDS CXCX - PART NAME ASSIGNED GOUPILLE CANNELEE ISO 8744 - 14X90 - A1 (fr: GOUPILLE CANNELEE ISO BY CONTROLLING AGENCY 8744 - 14x90 - A1) MATT - MATERIAL ACIER INOXYDABLE AUSTENITIQUE A1 STYL - STYLE DESIGNATOR FULL LENGTH GROOVE ADDITIONAL INFORMATION: technical drawing (attachment A)	UN	8	\$2.029,89
PG71200-2026-00188	4330-14-585-2901	FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID ABPM - BODY DIAMETER 59,4 MILLIMETERS MINIMUM AND 60,6 MILLIMETERS MAXIMUM ADAS - BODY INSIDE DIAMETER 54,0 MILLIMETERS NOMINAL AZTL - BODY OVERALL LENGTH 86,0 MILLIMETERS MINIMUM AND 86,5 MILLIMETERS MAXIMUM MATT - MATERIAL BRONZE CLASSE 30 STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER SUPP - SUPPLEMENTARY FEATURES POUR TOUTES LES ARETES, CHANFREIN DE 0,5 MM A 45 DEGRES "PAS DE BAVURE"; CONICITE 0,3%.	UN	17	\$8.812,64
PG71200-2026-00189	4310-14-586-2406	PNEUMATIC MUFFLER,EXHAUST-INTAKE NAME - ITEM NAME PNEUMATIC	UN	2	\$2.182,51

		MUFFLER,EXHAUST-INTAKE AGAV - END ITEM IDENTIFICATION TGM60/100 CXCX - PART NAME ASSIGNED SILENCIEUX / MUFFLER BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES NSPA / LD PROGRAMME SEPARATEUR/SEPARATOR CSP 008 16 BAR RACCORD/COUPLING:FF 2 G ADDITIONAL INFORMATION: technical drawing (attachment B)			
PG71200-2026-00192	5310-14-587-9975	WASHER,KEY NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 25,0 MILLIMETERS NOMINAL ABGG - RADIUS 5,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 36,0 MILLIMETERS NOMINAL ABLC - EXTERNAL STRAIGHT KEY WIDTH 20,0 MILLIMETERS NOMINAL ABPX - MATERIAL THICKNESS 1,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED FREIN D'ECROU STF 22-52/T011 BY CONTROLLING AGENCY MATT - MATERIAL X6CRNIT18-10 NRAA - DISTANCE FROM CENTERLINE TO END OF LONGEST KEY 30,0 MILLIMETERS NOMINAL NRAB - DISTANCE FROM CENTERLINE TO END OF SHORTEST KEY 28,0 MILLIMETERS NOMINAL STYL - STYLE DESIGNATOR A222 ADDITIONAL INFORMATION: technical drawing (attachment C)	UN	14	\$1.781,61
PG71200-2026-00195	5340-14-594-3391	LOCKING PLATE,NUT AND BOLT ADDITIONAL INFORMATION: technical drawing (attachment D)	UN	4	\$812,55
PG71200-2026-00199	4130-14-603-3419	FILTER ELEMENT,AIRCONDITIONING NAME - ITEM NAME FILTER ELEMENT,AIR CONDITIONING ABMK - OVERALL WIDTH 400,0 MILLIMETERS NOMINAL ADPR - BODY THICKNESS 20,0 MILLIMETERS NOMINAL AZTL - BODY OVERALL LENGTH 300,0 MILLIMETERS NOMINAL	UN	3	\$153,86

		CRXW - FILTERING MEDIA DESIGN GRILLAGE ET MEDIA FILTRANT EN FIBRE SYNTHETIQUE CXCX - PART NAME ASSIGNED FILTRE PLAN BY CONTROLLING AGENCY MATT - MATERIAL CADRE METALLIQUE EN TOLE ELECTOZINGUEE OU INOX AND MEDIA PLAT SYNTHETIQUE AVEC GRILLAGES GALVANISES (OU INOX) STYL - STYLE DESIGNATOR RECTANGULAR (INCL SQUARE)			
PG71200-2026-00200	5340-14-597-2853	FLANGE ATTACHMENT,M ADDITIONAL INFORMATION: technical drawing (attachment E)	UN	4	\$31.962,21
PG71200-2026-00202	4130-14-587-9335	FILTER ELEMENT,AIRCONDITIONING NAME - ITEM NAME FILTER ELEMENT,AIR CONDITIONING ABBD - MAXIMUM AIR FLOW RATE 3500 M3/H ABMK - OVERALL WIDTH 548,0 MILLIMETERS NOMINAL ADPR - BODY THICKNESS 100,0 MILLIMETERS NOMINAL AZTL - BODY OVERALL LENGTH 748,0 MILLIMETERS NOMINAL CRXW - FILTERING MEDIA DESIGN PLEATED CXCX - PART NAME ASSIGNED FILTRE PLISSE DEMONTABLE BY CONTROLLING AGENCY STYL - STYLE DESIGNATOR RECTANGULAR (INCL SQUARE W/ AIR BAFFLE) ADDITIONAL INFORMATION: technical drawing (attachment F)	UN	1	\$130,01
PG71200-2026-00204	5340-14-594-8767	RETAINER,NUT AND BOLT ADDITIONAL INFORMATION: technical drawing (attachment G)	UN	1	\$667,83
PG71200-2026-00206	5310-14-593-6525	WASHER,SEAL NAME - ITEM NAME WASHER,SEAL AAUB - HOLE DIAMETER 30,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 46,0 MILLIMETERS NOMINAL ABPX - MATERIAL THICKNESS 1,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED RONDELLE D'ETANCHEITE DIA 46 X DIA 30 X 1 TEFLON	UN	5	\$413,10

		BY CONTROLLING AGENCY MATT - MATERIAL PLASTIC TETRAFLUOROETHYLENE ADDITIONAL INFORMATION: technical drawing (attachment H)			
PG71200-2026-00208	5340-14-445-1163	LOCKING PLATE,NUT AND BOLT NAME - ITEM NAME LOCKING PLATE,NUT AND BOLT ABGL - WIDTH 12,0 MILLIMETERS NOMINAL ABTB - MOUNTING HOLE DIAMETER 4,5 MILLIMETERS NOMINAL ABTJ - MOUNTING HOLE QUANTITY 2 ADEB - PLATE THICKNESS 1,0 MILLIMETERS NOMINAL AFQM - DISTANCE BETWEEN MOUNTING HOLE CENTERS 53,0 MILLIMETERS NOMINAL BNWL - SIDE VIEW STYLE DESIGNATOR 1 CXCX - PART NAME ASSIGNED FREIN DES VIS BY CONTROLLING AGENCY MATL - MATERIAL ACIER Z6 CNT18-10 MATT - MATERIAL ACIER Z6 CNT18-10 STYL - STYLE DESIGNATOR 6 ADDITIONAL INFORMATION: technical drawing (attachment I)	UN	4	\$140,60
PG71200-2026-00217	4330-14-445-1162	FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID ABPM - BODY DIAMETER 17,0 MILLIMETERS NOMINAL ADAS - BODY INSIDE DIAMETER 12,0 MILLIMETERS NOMINAL ADNH - FILTRATION RATING IN 100,0 ABSOLUTE MICRONS APGF - DESIGN TYPE REUSABLE AZTL - BODY OVERALL LENGTH 42,0 MILLIMETERS NOMINAL CRXW - FILTERING MEDIA DESIGN POROUS MATT - MATERIAL BRONZE FRITTE MEDA - MEDIA FOR WHICH DESIGNED AIR OR NITROGEN, GASEOUS STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER ADDITIONAL INFORMATION: technical drawing (attachment J)	UN	8	\$1.421,70

PG71200-2026-00220	5307-14-593-7135	STUD,PLAIN NAME - ITEM NAME STUD,PLAIN AAJF - THREAD DIRECTION RIGHT-HAND AASA - THREAD LENGTH 28,0 MILLIMETERS NOMINAL ABHP - OVERALL LENGTH 115,0 MILLIMETERS NOMINAL AKYN - FURNISHED ITEMS AND QUANTITY ECROU HEXAGONAL, 2 CQJX - NOMINAL THREAD SIZE 16,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CXCX - PART NAME ASSIGNED ELEMENTS DE FIXATION EN ACIER INOXYDABLE X4CRNIMO16-5-1 + QT900 BY CONTROLLING AGENCY M16X115 MATT - MATERIAL ACIER COMP X4CRNIMO16-5-1 (1.4418) + QT900 MDCL - MATERIAL DOCUMENT SPECIFICATION FABRICANT, MATIERE UNIQUE NAVAL GROUP STF 22- AND CLASSIFICATION 52/B015E THSD - THREAD SERIES DESIGNATOR ISO M ADDITIONAL INFORMATION: technical drawing (attachment K)	UN	34	\$6.056,87
PG71200-2026-00223	4130-14-593-8730	FILTER ELEMENT,AIRCONDITIONING NAME - ITEM NAME FILTER ELEMENT,AIR CONDITIONING ABMK - OVERALL WIDTH 250,0 MILLIMETERS NOMINAL ADPR - BODY THICKNESS 100,0 MILLIMETERS NOMINAL APGF - DESIGN TYPE NONREUSABLE AZTL - BODY OVERALL LENGTH 370,0 MILLIMETERS NOMINAL CRXW - FILTERING MEDIA DESIGN PLEATED CXCX - PART NAME ASSIGNED MEDIA FILTRANT CLASSE G4 SM309 POUR CADRE TYPE 3B BY CONTROLLING AGENCY MATT - MATERIAL MEDIA SYNTHETIQUE EN FIBRES POLYESTERS THERMOLIEES STYL - STYLE DESIGNATOR RECTANGULAR (INCL SQUARE) ADDITIONAL INFORMATION:	UN	2	\$108,05

		technical drawing (attachment L)			
PG71200-2026-00224	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 2X Y2/Y3 EXPANSION MAIN VALVE KIT - 2X Y1/Y2 INLET MAIN VALVE KIT - 1 RESET KEY - 4X O RINGS FOR COLUMNS/BLOCK VALVES ADDITIONAL INFORMATION: technical drawing (attachment M)	UN	2	\$19.487,07
PG71200-2026-00225	5340-14-589-3388	PLATE,MENDING ADDITIONAL INFORMATION: technical drawing (attachment N)	UN	2	\$3.454,14
PG71200-2026-00232	5340-14-594-8763	ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment O)	UN	29	\$236.666,67
PG71200-2026-00237	5330-14-593-9060	GASKET NAME - ITEM NAME GASKET ADUE - APERTURE WIDTH 300.0 MILLIMETERS NOMINAL ADUF - APERTURE LENGTH 400.0 MILLIMETERS NOMINAL ADUV - BEARING SURFACE WIDTH 51.0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 16,0 BYWW - SMALLEST BOLT HOLE DIAMETER 22,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED JOINT DE BOUCHON DE TROU D'HOMME AVEC VIS REDUIT 300X400 BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES EPAISSEUR DE LA TAPE 5MM MATT - MATERIAL RUBBER ETHYLENE- PROPYLENE-DIENE CLASS EPDM MDCL - MATERIAL DOCUMENT STF 33-07- 02/023 MIL SPEC SINGLE MATERIAL RESPONSE	UN	1	\$3.011,56

		AND CLASSIFICATION STYL - STYLE DESIGNATOR OVAL ADDITIONAL INFORMATION: technical drawing (attachment P)			
PG71200-2026-00238	5330-14-594-7149	GASKET NAME - ITEM NAME GASKET AGAV - END ITEM IDENTIFICATION MAT451-0046;PANNEAU DEMONTABLE BALLAST MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR NON-CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment Q)	UN	1	\$3.065,57
PG71200-2026-00245	4130-14-597-4677	GRILLE,METAL ADDITIONAL INFORMATION: technical drawing (attachment R)	UN	2	\$14.748,28
PG71200-2026-00246	5330-14-582-1654	GASKET NAME - ITEM NAME GASKET ABKW - OVERALL HEIGHT 5,0 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 60,0 SHORE DUROMETER A NOMINAL FEAT - SPECIAL FEATURES JOINT DE BOITE HYDROREFRIGERANT EP.5MM 60 SHORE POUR GENERATEUR ANR 54/45/4 (ARR 2) MATT - MATERIAL NITRILE NBR	UN	8	\$14.388,05
PG71200-2026-00247	5330-14-595-8374	GASKET NAME - ITEM NAME GASKET AAUB - HOLE DIAMETER 22.0 MILLIMETERS NOMINAL ABKG - BOLT CIRCLE DIAMETER 304.0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 346,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 262,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 13,0 MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR CIRCULAR	UN	1	\$2.907,41
PG71200-2026-00258	5307-14-605-1339	STUD,PLAIN NAME - ITEM NAME STUD,PLAIN ABHP - OVERALL LENGTH 90.0 METERS NOMINAL AKYN - FURNISHED ITEMS AND QUANTITY ECROU H, 2 CQJX - NOMINAL THREAD SIZE 16,0	UN	28	\$5.442,64

		MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 3,0 MATT - MATERIAL ACIER INOXYDABLE THSD - THREAD SERIES DESIGNATOR ISO M			
PG71200-2026-00260	4820-14-584-2858	DISK,VALVE NAME - ITEM NAME DISK,VALVE AGAV - END ITEM IDENTIFICATION R 002 201; SOUPAPE 911 DN 20 A BRIDES MN. (fr: R 002 201; SOUPAPE 911 DN 20 à brides MN.) MATT - MATERIAL POLYETHYLENE TEREPHTALATE (PETP) MEDA - MEDIA FOR WHICH DESIGNED LIQUID STYL - STYLE DESIGNATOR POPPET ADDITIONAL INFORMATION: technical drawing (attachment S)	UN	1	\$1.969,10
PG71200-2026-00273	5330-14-593-8734	PACKING,PREFORMED NAME - ITEM NAME PACKING,PREFORMED AAGR - CROSS-SECTIONAL SHAPE STYLE FLANGED ADV N - CROSS-SECTIONAL HEIGHT 5,5 MILLIMETERS NOMINAL ADVT - FLANGED BODY OUTSIDE DIAMETER 17,0 MILLIMETERS NOMINAL ADVW - BODY RECESS DEPTH 2,0 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 12,0 MILLIMETERS NOMINAL ADYU - PERIPHERAL DIAMETER 21,5 MILLIMETERS NOMINAL AGAV - END ITEM IDENTIFICATION MAT513-0152;FILTRES POUR AIR HP MATT - MATERIAL PLASTIC POLYAMIDE (NYLON) MDCL - MATERIAL DOCUMENT PA6.6 MFR REF SINGLE MATERIAL RESPONSE AND CLASSIFICATION ADDITIONAL INFORMATION: technical drawing (attachment T)	UN	17	\$469,94
PG71200-2026-00274	3040-14-594-3352	SHAFT,SHOULDERED ADDITIONAL INFORMATION: technical drawing (attachment U)	UN	10	\$17.931,03
PG71200-2026-00276	5315-14-594-6763	PIN,GROOVED,HEADLESS NAME - ITEM NAME	UN	4	\$185,04

		PIN,GROOVED,HEADLESS AAGZ - FIRST END STYLE X3 ABHP - OVERALL LENGTH 16,0 MILLIMETERS NOMINAL CQBB - SECOND END RELATIONSHIP WITH FIRST END IDENTICAL CQFX - PIN SMALL END DIAMETER 4,0 MILLIMETERS NOMINAL CRDY - FIRST END LOCATION BOTH ENDS CSCG - PIN LARGE END DIAMETER 4,0 MILLIMETERS NOMINAL MATT - MATERIAL STEEL CORROSION RESISTING MDCL - MATERIAL DOCUMENT ACIER INOXYDABLE A1 MFR REF SINGLE MATERIAL RESPONSE AND CLASSIFICATION STYL - STYLE DESIGNATOR ONE HALF GROOVE ADDITIONAL INFORMATION: technical drawing (attachment V)			
PG71200-2026-00277	6630-99-959-5732	FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER MATT - MATERIAL FIBER SYNTHETIC CRXW - FILTERING MEDIA DESIGN POROUS MEDA - MEDIA FOR WHICH DESIGNED GAS FEAT - SPECIAL FEATURES MICROFIBRE ELEMENT;NITRILE O-RING;SUPPLIED IN PACK OF 10 AGAV - END ITEM IDENTIFICATION COSAMS CXCX - PART NAME ASSIGNED FILTER ELEMENT BY CONTROLLING AGENCY ADDITIONAL INFORMATION: technical drawing (attachment W)	UN	5	\$1.336,49
PG71200-2026-00278	5307-14-603-9229	STUD,PLAIN NAME - ITEM NAME STUD,PLAIN AASA - THREAD LENGTH 100.0 MILLIMETERS NOMINAL ABHP - OVERALL LENGTH 100,0 METERS NOMINAL AKYN - FURNISHED ITEMS AND QUANTITY ECROU H, 2 CQJX - NOMINAL THREAD SIZE 16,0	UN	28	\$4.133,70

		MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 3,0 CTTC - THREAD TOLERANCE CLASS 6G EXTERNAL MATT - MATERIAL ACIER INOXYDABLE THSD - THREAD SERIES DESIGNATOR ISO M			
PG71200-2026-00283	5340-14-525-3823	ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment X)	UN	14	\$118.595,13
PG71200-2026-00289	5330-14-222-9498	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE METAL ABKV - OUTSIDE DIAMETER 34,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 22,5 MILLIMETERS NOMINAL ADQR - CENTER TO CENTER DISTANCE 1,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL ADWG - GAGE THICKNESS 1,3 MILLIMETERS NOMINAL CTQW - MAXIMUM PRESSURE 250,0 BAR RATING MATT - MATERIAL COPPER MDCL - MATERIAL DOCUMENT NF A53- 100,CU/B NATIONAL SPEC SINGLE MATERIAL RESPONSE AND CLASSIFICATION STYL - STYLE DESIGNATOR CIRCULAR TEST - TEST DATA DOCUMENT F3013- GSM128-002F5/5 DRAWING (THIS IS THE BASIC GOVERNING DRAWING, SUCH AS A CONTRACTOR DRAWING, ORIGINAL EQUIPMENT MANUFACTURER DRAWING, ETC.; EXCLUDES ANY SPECIFICATION, STANDARD OR OTHER DOCUMENT THAT MAY BE REFERENCED IN A BASIC GOVERNING DRAWING) ADDITIONAL INFORMATION: technical drawing (attachment Y)	UN	1	\$452,01
PG71200-2026-00297	5330-14-586-0530	GASKET NAME - ITEM NAME GASKET ABKV - OUTSIDE DIAMETER 840,0 MILLIMETERS NOMINAL	UN	1	\$1.035,41

		FEAT - SPECIAL FEATURES JOINT SANS AMIANTE SELON MAT162-0238 MATT - MATERIAL FIBER STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment Z)			
PG71200-2026-00303	5340-14-598-3748	ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment AA)	UN	4	\$43.553,10
PG71200-2026-00304	5340-14-603-3025	CONNECTING LINK,RIGID NAME - ITEM NAME CONNECTING LINK,RIGID ABTJ - MOUNTING HOLE QUANTITY 2,0 ADPR - BODY THICKNESS 18,0 MILLIMETERS NOMINAL AJXT - LINK STYLE ANGLED, RAISED FACE ENDS AZHL - BODY CONSTRUCTION SOLID CXCX - PART NAME ASSIGNED BIELLETTE D'ENTRAINEMENT BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES NSPA / LD PROGRAMME 1 TROU DE R16MM; 1 TROU CARRE DE 14MM DE COTE ADDITIONAL INFORMATION: technical drawing (attachment AB)	UN	1	\$6.235,21
PG71200-2026-00311	5331-14-584-2854	O-RING NAME - ITEM NAME O-RING AGAV - END ITEM IDENTIFICATION R 002 201; SOUPAPE 911 DN 20 A BRIDES MN. (fr: R 002 201; SOUPAPE 911 DN 20 à brides MN.) CXCX - PART NAME ASSIGNED JONC BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME RUBBER FLUOROCARBON CLASS FPM ADDITIONAL INFORMATION: technical drawing (attachment AC)	UN	1	\$288,45
PG71200-2026-00312	9515-14-566-4036	SHIM STOCK,LAMINATED NAME - ITEM NAME SHIM STOCK,LAMINATED ADVM - CROSS-SECTIONAL THICKNESS 1,0 MILLIMETERS NOMINAL AGXW - PHYSICAL FORM RONDELLE MATT - MATERIAL ACIER INOXYDABLE ADDITIONAL INFORMATION: technical drawing (attachment AD)	UN	8	\$965,68

	Total	\$558.051,06
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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 Riachuelo, 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 558.051,06 , 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, 27th April 2026.

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