

**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
PG71200-2025-02230	5945-14-426-0808	RELAY,ELECTROMAGNETIC NAME - ITEM NAME RELAY,ELECTROMAGNETIC ABHP - OVERALL LENGTH 44,0 MILLIMETERS MAXIMUM ABKW - OVERALL HEIGHT 32,6 MILLIMETERS MAXIMUM ABMK - OVERALL WIDTH 13,3 MILLIMETERS MAXIMUM AKDX - WINDING QUANTITY 1 APCN - COIL QUANTITY 1 APNP - DUTY TYPE CONTINUOUS AXHR - MOUNTING FACILITY TYPE AND QUANTITY 2 BRACKET(S) AND 2 UNTHREADED HOLE(S) CRNG - NONPILE-UP MAIN CONTACT ARRANGEMENT 2 POLE, DOUBLE THROW, BOTH POSITIONS MAINTAINED CTDL - MAIN CONTACT LOAD CURRENT RATING AT MAXIMUM RATED VOLTAGE 10,0 AMPERES AC AND 10,0 AMPERES DC CWAB - MAIN CONTACT MAXIMUM VOLTAGE RATING IN VOLTS 200,0 AC AND 28,0 DC SUPP - SUPPLEMENTARY FEATURES EQUIPE DE 2 VIS DE FIXATION M3 TTQY - TERMINAL TYPE AND QUANTITY 8 PIN	UN	24	\$4.469,65
PG71200-2025-02233	4730-14-585-8600	NUT,TUBE COUPLING NAME - ITEM NAME NUT,TUBE COUPLING ACTA - NUT STYLE TUBE COUPLING ADEA - NUT HEIGHT 26,5 MILLIMETERS NOMINAL	UN	3	\$205,27

		<p>ASDB - WIDTH ACROSS FLATS 14,0 MILLIMETERS NOMINAL BRQL - LENGTH TO SHOULDER 8 ET 12 MM NOMINAL BSPX - SMALLEST INSIDE DIAMETER 4,5 MILLIMETERS NOMINAL BZRR - THREAD SERIES ISO M CQJX - NOMINAL THREAD SIZE 10,0 ET 14,0 MM CQQR - THREAD PITCH IN MILLIMETERS 1,0 MATT - MATERIAL CUAL10NI5FE4 MDCL - MATERIAL DOCUMENT DCNS STF 22-55/B004E OU STF 22-55/B004-2E MIL SPEC SINGLE MATERIAL AND CLASSIFICATION RESPONSE</p>			
PG71200-2025-02235	5330-14-593-9069	<p>GASKET NAME - ITEM NAME GASKET 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 NORMAL 350X450 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 AND CLASSIFICATION STYL - STYLE DESIGNATOR OVAL ADDITIONAL INFORMATION: technical drawing (attachment A)</p>	UN	4	\$3.324,28
PG71200-2025-02236	4730-14-593-7269	<p>ADAPTER,STRAIGHT,TUBE TO BOSS NAME - ITEM NAME ADAPTER,STRAIGHT,TUBE TO BOSS AHNC - CONNECTION STYLE GASKET SEAL (TUBE) AWLS - CONNECTION TYPE MALE AVEC FILETAGE CQJX - NOMINAL THREAD SIZE 27,0 MILLIMETERS CQJX - NOMINAL THREAD SIZE 30,0</p>	UN	3	\$2.575,41

		<p>MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CTTC - THREAD TOLERANCE CLASS 4H EXTERNAL CWCN - NOMINAL WIDTH ACROSS FLATS 34,0 MILLIMETERS CWFD - NOMINAL OUTSIDE DIAMETER TUBE ACCOMMODATED INOX, MILLIMETRES 17,15 ET CUIVRE, MILLIMETRES 20 CWFR - NOMINAL OVERALL LENGTH 70,0 MILLIMETERS CXCX - PART NAME ASSIGNED VIS SUR CAPACITE POUR TUYAU INOX DE17,15 OU TUYAU CUIVRE DE20 BY CONTROLLING AGENCY HP/BP PRESSION DE REFERENCE 250 BAR MATT - MATERIAL CUPRO-ALUMINIUM CUAL10NI5FE4 MDCL - MATERIAL DOCUMENT SPECIFICATION FABRICANT, MATIERE UNIQUE STF 22-55/B004-2 AND CLASSIFICATION STYL - STYLE DESIGNATOR LONG W/ OFFSET WRENCHING FACILITY THSD - THREAD SERIES DESIGNATOR ISO M</p>			
PG71200-2025-02237	5340-14-597-5429	<p>ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment B)</p>	UN	8	\$113.359,62
PG71200-2025-02241	4820-14-595-4669	<p>VALVE,CHECK NAME - ITEM NAME VALVE,CHECK CXCX - PART NAME ASSIGNED KIT CLAPET + SIEGE DU CLAPET DE SECURITE BY CONTROLLING AGENCY ADDITIONAL INFORMATION: technical drawing (attachment C)</p>	UN	1	\$14.422,06
PG71200-2025-02242	4820-14-606-5926	<p>VALVE,BALL NAME - ITEM NAME VALVE,BALL AECS - BOLT HOLE QUANTITY 8 AECS - BOLT HOLE QUANTITY 12 AQLR - VALVE OPERATION METHOD MANUAL ARKN - FLANGE SHAPE ROUND WITH HOLES AWLS - CONNECTION TYPE FLANGE CWCD - NOMINAL OUTSIDE DIAMETER 65.0 MILLIMETERS</p>	UN	1	\$285.286,96

		<p>CWCK - NOMINAL THICKNESS 241.0 MILLIMETERS</p> <p>CXCY - PART NAME ASSIGNED</p> <p>SECTIONNEMENT TYPE EVO NON EQUIP</p> <p>DN100 A 2 BRIDES PLANES</p> <p>BY CONTROLLING AGENCY</p> <p>ADDITIONAL INFORMATION:</p> <p>technical drawing (attachment D)</p>			
PG71200-2025-02243	5330-14-281-6189	<p>GASKET</p> <p>NAME - ITEM NAME GASKET</p> <p>ABKV - OUTSIDE DIAMETER 13,5 MILLIMETERS NOMINAL</p> <p>ABVL - APERTURE DIAMETER 10.3 MILLIMETERS NOMINAL</p> <p>ADVM - CROSS-SECTIONAL THICKNESS 1,5 MILLIMETERS NOMINAL</p> <p>AGAV - END ITEM IDENTIFICATION 4CABLES PYRO 22,9 HABILLAG</p> <p>MATT - MATERIAL COPPER</p> <p>STYL - STYLE DESIGNATOR CIRCULAR</p> <p>SUPP - SUPPLEMENTARY</p> <p>FEATURES MASSE UNITAIRE SANS EMBALLAGE 0,001 KILOGRAMMES</p> <p>ADDITIONAL INFORMATION:</p> <p>technical drawing (attachment E)</p>	UN	1	\$193,84
PG71200-2025-02244	5331-14-475-7204	<p>O-RING</p> <p>NAME - ITEM NAME O-RING</p> <p>ADVN - CROSS-SECTIONAL HEIGHT 3,53 MILLIMETERS NOMINAL</p> <p>ADYT - CENTER HOLE DIAMETER 53,57 MILLIMETERS NOMINAL</p> <p>CQFM - HARDNESS RATING 90 SH</p> <p>ADDITIONAL INFORMATION:</p> <p>technical drawing (attachment F)</p>	UN	4	\$167,65
PG71200-2025-02248	9390-14-406-6928	<p>NONMETALLIC SPECIAL SHAPED SECTION</p> <p>NAME - ITEM NAME</p> <p>NONMETALLIC SPECIAL SHAPED SECTION</p> <p>CXCY - PART NAME ASSIGNED PROFILE</p> <p>CAOUTCHOUC-NEOPRENE NOIR REPERE 1</p> <p>BY CONTROLLING AGENCY</p> <p>MATT - MATERIAL</p> <p>NSPA / LD PROGRAMME</p> <p>RUBBER CHLOROPRENE CLASS CR</p>	MR	4	\$894,35
PG71200-2025-02249	5305-14-485-9822	<p>SCREW,CAP,HEXAGON HEAD</p> <p>NAME - ITEM NAME</p> <p>SCREW,CAP,HEXAGON HEAD</p> <p>AAJF - THREAD DIRECTION RIGHT-HAND</p> <p>AASA - THREAD LENGTH 34,0 MILLIMETERS NOMINAL</p> <p>AASB - FASTENER LENGTH 90,0</p>	UN	6	\$938,84

		<p>MILLIMETERS NOMINAL AASK - HEAD STYLE HEXAGON AASU - HEAD HEIGHT 10,0 MILLIMETERS NOMINAL AATB - WIDTH BETWEEN FLATS 24,0 MILLIMETERS NOMINAL ABQJ - POINT STYLE F26 AHYM - NOMINAL THREAD DIAMETER 14,0 MILLIMETERS CQBC - MINIMUM TENSILE STRENGTH 800 MEGAPASCALS CQFM - HARDNESS RATING 20,0 ROCKWELL C MINIMUM AND 30,0 ROCKWELL C MAXIMUM CQHQ - MINIMUM YIELD STRENGTH 640 MEGAPASCALS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CQWR - EXTERNAL THREAD TOLERANCE CLASS 6G MATT - MATERIAL STEEL SFTT - SURFACE TREATMENT ZINC AND CHROMATE STDC - SURFACE TREATMENT MA-E25-27 CODE CM MIL SPEC SINGLE TREATMENT RESPONSE DOCUMENT AND CLASSIFICATION TEST - TEST DATA DOCUMENT F0110-E25- 100 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.). THSD - THREAD SERIES DESIGNATOR ISO M UKAS - STRENGTH GRADE DESIGNATION 8.8 ADDITIONAL INFORMATION: technical drawing (attachment G)</p>			
PG71200-2025-02250	5360-14-552-7271	<p>SPRING,HELICAL,COMPRESSION ADDITIONAL INFORMATION: technical drawing (attachment H)</p>	UN	7	\$35.883,91
PG71200-2025-02251	5360-14-584-2834	<p>SPRING,HELICAL,COMPRESSION NAME - ITEM NAME SPRING,HELICAL,COMPRESSION 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.) AXLH - COIL HELIX DIRECTION RIGHT-</p>	UN	1	\$602,94

		<p>HAND MATT - MATERIAL STEEL COMP 1.4310 STYL - STYLE DESIGNATOR CYLINDRICAL ADDITIONAL INFORMATION: technical drawing (attachment I)</p>			
PG71200-2025-02252	5315-14-593-6255	<p>KEY,MACHINE NAME - ITEM NAME KEY,MACHINE ABHP - OVERALL LENGTH 30,0 MILLIMETERS NOMINAL ABKW - OVERALL HEIGHT 6,0 MILLIMETERS NOMINAL ABMK - OVERALL WIDTH 6,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED CLAVETTE 6X6X30 BY CONTROLLING AGENCY MATT - MATERIAL ACIER COMP 42CRMO4 MDCL - MATERIAL DOCUMENT SPECIFICATION FABRICANT, MATIERE UNIQUE F3018 STF22-52/B025 AND CLASSIFICATION STYL - STYLE DESIGNATOR NSPA / LD PROGRAMME PLAIN ADDITIONAL INFORMATION: technical drawing (attachment J)</p>	UN	1	\$1.426,78
PG71200-2025-02254	5330-14-598-5861	<p>GASKET NAME - ITEM NAME GASKET AAUB - HOLE DIAMETER 18,0 MILLIMETERS NOMINAL ABKG - BOLT CIRCLE DIAMETER 339,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 379,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 263,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 22,0 MATT - MATERIAL FEUILLES DE GRAPHITE EXPANSE ET FEUILLES METALLIQUES STRATIFIEES STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment K)</p>	UN	16	\$11.996,51
PG71200-2025-02255	5330-14-594-8389	<p>GASKET NAME - ITEM NAME GASKET ADUE - APERTURE WIDTH 300,0 MILLIMETERS NOMINAL ADUF - APERTURE LENGTH 400,0</p>	UN	2	\$2.147,29

		<p>MILLIMETERS NOMINAL ADUV - BEARING SURFACE WIDTH 38,0 MILLIMETERS NOMINAL MATT - MATERIAL RUBBER ETHYLENE- PROPYLENE-DIENE CLASS EPDM STYL - STYLE DESIGNATOR OVAL ADDITIONAL INFORMATION: technical drawing (attachment L)</p>			
PG71200-2025-02256	5330-14-602-5253	<p>GASKET NAME - ITEM NAME GASKET ABHP - OVERALL LENGTH 479,0 MILLIMETERS NOMINAL ABMK - OVERALL WIDTH 287,0 MILLIMETERS NOMINAL ADUE - APERTURE WIDTH 227,0 MILLIMETERS NOMINAL ADUF - APERTURE LENGTH 419,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 18,0 AHNX - BOLT HOLE DIAMETER 12,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED JOINT DE BRIDE 384X192 BY CONTROLLING AGENCY STYL - STYLE DESIGNATOR NON-CIRCULAR SUPP - SUPPLEMENTARY FEATURES SUIVANT PLAN QKJE-420.00 (JE EN MINUSCULE) (fr: SUIVANT PLAN QKje- 420.00 (je EN MINUSCULE))</p>	UN	6	\$21.109,84
PG71200-2025-02257	5307-14-603-9229	<p>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 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 3,0 CTTC - THREAD TOLERANCE CLASS 6G EXTERNAL MATT - MATERIAL ACIER INOXYDABLE THSD - THREAD SERIES DESIGNATOR ISO M</p>	UN	28	\$2.405,39
PG71200-2025-02264	5330-14-586-0537	<p>GASKET NAME - ITEM NAME GASKET ABKV - OUTSIDE DIAMETER 460,0</p>	UN	1	\$790,35

		<p>MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED JOINT PLAT BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES JOINT SANS AMIANTE SELON MAT162-0238 MATT - MATERIAL FIBER STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment M)</p>			
PG71200-2025-02265	5310-14-587-9976	<p>WASHER,KEY NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 9,0 MILLIMETERS NOMINAL ABGG - RADIUS 2,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 15,0 MILLIMETERS NOMINAL ABLC - EXTERNAL STRAIGHT KEY WIDTH 7,0 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 22,0 MILLIMETERS NOMINAL NRAB - DISTANCE FROM CENTERLINE TO END OF SHORTEST KEY 13,0 MILLIMETERS NOMINAL STYL - STYLE DESIGNATOR A222 ADDITIONAL INFORMATION: technical drawing (attachment N)</p>	UN	1	\$105,97
PG71200-2025-02266	4730-14-593-7182	<p>ADAPTER,STRAIGHT,TUBE TO BOSS NAME - ITEM NAME ADAPTER,STRAIGHT,TUBE TO BOSS AHNC - CONNECTION STYLE GASKET SEAL (TUBE) AWLS - CONNECTION TYPE MALE AVEC FILETAGE CQJX - NOMINAL THREAD SIZE 22,0 MILLIMETERS CQJX - NOMINAL THREAD SIZE 27,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CTTC - THREAD TOLERANCE CLASS 4H EXTERNAL</p>	UN	3	\$1.550,51

		<p>CWCN - NOMINAL WIDTH ACROSS FLATS 30,0 MILLIMETERS CWFD - NOMINAL OUTSIDE DIAMETER TUBE ACCOMMODATED INOX, MILLIMETRES 13,72 ET CUIVRE, MILLIMETRES 14 CWFR - NOMINAL OVERALL LENGTH 60,5 MILLIMETERS CXCX - PART NAME ASSIGNED VIS SUR CAPACITE POUR TUYAU INOX DE13,72 OU TUYAU CUIVRE DE14 BY CONTROLLING AGENCY HP/BP PRESSION DE REFERENCE 250 BAR MATT - MATERIAL CUPRO-ALUMINIUM CUAL10NI5FE4 MDCL - MATERIAL DOCUMENT SPECIFICATION FABRICANT, MATIERE UNIQUE STF 22-55/B004-2 AND CLASSIFICATION STYL - STYLE DESIGNATOR LONG W/ OFFSET WRENCHING FACILITY THSD - THREAD SERIES DESIGNATOR ISO M</p>			
PG71200-2025-02267	4130-14-597-4677	<p>GRILLE,METAL ADDITIONAL INFORMATION: technical drawing (attachment O)</p>	UN	1	\$7.547,65
PG71200-2025-02268	5330-14-596-9981	<p>RETAINER,PACKING NAME - ITEM NAME RETAINER,PACKING AGAV - END ITEM IDENTIFICATION FILTRE; 42/C.320.234.10 CXCX - PART NAME ASSIGNED BAGUE 1/4G BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME ACIER INOX ADDITIONAL INFORMATION: technical drawing (attachment P)</p>	UN	1	\$155,06
PG71200-2025-02269	5307-14-594-4554	STUD,PLAIN	UN	152	\$21.152,99
PG71200-2025-02270	3040-14-595-5310	SHAFT,SHOULDERED	UN	1	\$7.463,72
PG71200-2025-02271	7330-14-587-9368	<p>FILTER,COOKING GREASE NAME - ITEM NAME FILTER,COOKING GREASE ABHP - OVERALL LENGTH 600,0 MILLIMETERS NOMINAL ABKW - OVERALL HEIGHT 20,0 MILLIMETERS NOMINAL ABMK - OVERALL WIDTH 450,0 MILLIMETERS NOMINAL AESE - FILTER MATERIAL TRICOT METALLIQUE GALVANISE</p>	UN	2	\$604,71

		<p>BTLT - FILTRATION RATE 1600 M3/H CXY - PART NAME ASSIGNED FILTRE A GRAISSE BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES FILTRE A TRICOT GALVANISE,CHEVRONNE,DISPOSE EN COUCHES SUPERPOSEES ENTRECROISEES ET GRILLAGE.EFFICACITE 88% GRAVIMETRIQUE.INOX 304L ADDITIONAL INFORMATION: technical drawing (attachment Q)</p>			
PG71200-2025-02272	4330-14-603-0454	<p>FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID CXY - PART NAME ASSIGNED FILTER ELEMENT BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME CUAL-C ADDITIONAL INFORMATION: technical drawing (attachment R)</p>	UN	1	\$8.925,85
PG71200-2025-02275	4730-14-581-7340	<p>ADAPTER,STRAIGHT,TUBE TO BOSS NAME - ITEM NAME ADAPTER,STRAIGHT,TUBE TO BOSS AHNC - CONNECTION STYLE 85 AWLS - CONNECTION TYPE THREADED EXTERNAL TUBE AWLS - CONNECTION TYPE THREADED EXTERNAL BOSS CQGM - MAXIMUM OPERATING 250,0 BAR PRESSURE CQJX - NOMINAL THREAD SIZE 22,0 MILLIMETERS CQJX - NOMINAL THREAD SIZE 24,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CTTC - THREAD TOLERANCE CLASS 4H EXTERNAL CWCN - NOMINAL WIDTH ACROSS FLATS 27,0 MILLIMETERS CWFD - NOMINAL OUTSIDE DIAMETER TUBE ACCOMMODATED 10,2 MILLIMETERS CWFR - NOMINAL OVERALL LENGTH 60,5 MILLIMETERS CXY - PART NAME ASSIGNED VIS SUR</p>	UN	8	\$9.929,41

		<p>CAPACITE POUT TUYAUQ INOX DE10.2 OU TUYAUX CUIVRE DE10 BY CONTROLLING AGENCY HP/BP PRESSION DE REFERENCE 250 BAR FEAT - SPECIAL FEATURES AVEC HEXAGONE CENTRAL PERMETTANT L USAGE D UNE CLE MATT - MATERIAL CUIVRE ALLIE CU-AL10NI5FE4 MEDA - MEDIA FOR WHICH DESIGNED WATER THSD - THREAD SERIES DESIGNATOR ISO M</p>			
PG71200-2025-02276	5330-14-585-1906	<p>GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION AAUB - HOLE DIAMETER 2,7 MILLIMETERS MINIMUM AND 3,3 MILLIMETERS MAXIMUM ABKG - BOLT CIRCLE DIAMETER 30,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 41,5 MILLIMETERS MINIMUM AND 42,5 MILLIMETERS MAXIMUM ABVL - APERTURE DIAMETER 23,5 MILLIMETERS MINIMUM AND 24,5 MILLIMETERS MAXIMUM ADVM - CROSS-SECTIONAL THICKNESS 1,0 MILLIMETERS NOMINAL AECS - BOLT HOLE QUANTITY 1,0 CQFM - HARDNESS RATING 60 SHORES CXCX - PART NAME ASSIGNED JOINT PIQUAGE DBM BY CONTROLLING AGENCY MATT - MATERIAL RUBBER NEOPRENE STYL - STYLE DESIGNATOR CIRCULAR SUPP - SUPPLEMENTARY FEATURES TOLERANCE GENERALE JS11 H11 H11; USINAGE RA 3.2. (fr: TOLERANCE GENERALE Js11 H11 h11; USINAGE Ra 3.2.) ADDITIONAL INFORMATION: technical drawing (attachment 5)</p>	UN	5	\$555,35
PG71200-2025-02280	4730-14-593-7375	<p>ELBOW,TUBE TO BOSS NAME - ITEM NAME ELBOW,TUBE TO BOSS AHNC - CONNECTION STYLE GASKET SEAL</p>	UN	3	\$3.461,29

		<p>(TUBE)</p> <p>AHSJ - LEG LENGTH 59,5 MILLIMETERS NOMINAL</p> <p>AHSJ - LEG LENGTH 32,5 MILLIMETERS NOMINAL</p> <p>AWLS - CONNECTION TYPE THREADED EXTERNAL TUBE</p> <p>CQJX - NOMINAL THREAD SIZE 22,0 MILLIMETERS</p> <p>CQJX - NOMINAL THREAD SIZE 24,0 MILLIMETERS</p> <p>CQQR - THREAD PITCH IN MILLIMETERS 2,0</p> <p>CTTC - THREAD TOLERANCE CLASS 4H EXTERNAL</p> <p>CWFD - NOMINAL OUTSIDE DIAMETER TUBE</p> <p>ACCOMMODATED INOX, MILLIMETRES 10,2 ET CUIVRE, MILLIMETRES 10</p> <p>CXCY - PART NAME ASSIGNED VIS SUR CAPACITE D'EQUERRE POUR TUYAU INOX DE10.2 ET CUIVRE BY CONTROLLING AGENCY DE10 HP/BP PRESSION DE REFERENCE 250 BAR</p> <p>FEAT - SPECIAL FEATURES COUDE A 90°.</p> <p>MATT - MATERIAL CUPRO-ALUMINIUM CUAL10NI5FE4</p> <p>MDCL - MATERIAL DOCUMENT SPECIFICATION FABRICANT, MATIERE UNIQUE, MAT164-0391_EXP AND AND CLASSIFICATION SPECIFICATION FABRICANT, MATIERE UNIQUE, STF 22-55/B004-2</p> <p>THSD - THREAD SERIES DESIGNATOR ISO M</p>			
PG71200-2025-02281	5330-14-593-7398	<p>GASKET</p> <p>NAME - ITEM NAME GASKET</p> <p>AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION</p> <p>AAUB - HOLE DIAMETER 11,0 MILLIMETERS NOMINAL</p> <p>ABHP - OVERALL LENGTH 734,0 MILLIMETERS NOMINAL</p> <p>ABMK - OVERALL WIDTH 496,0 MILLIMETERS NOMINAL</p> <p>ADUE - APERTURE WIDTH 634,0 MILLIMETERS NOMINAL</p> <p>ADUF - APERTURE LENGTH 400,0</p>	UN	2	\$3.759,23

		<p>MILLIMETERS NOMINAL ADUY - CENTER TO CENTER DISTANCE BETWEEN BOLT HOLES ALONG WIDTH 93,2 MILLIMETERS NOMINAL ADUZ - CENTER TO CENTER DISTANCE BETWEEN BOLT HOLES ALONG LENGTH 88,0 MILLIMETERS NOMINAL ADVD - 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 ADVM - 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 CXCX - PART NAME ASSIGNED JOINT BY CONTROLLING AGENCY MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR NON-CIRCULAR</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment T)</p>			
PG71200-2025-02282	5340-14-598-3748	<p>ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment U)</p>	UN	4	\$40.522,59
PG71200-2025-02283	5340-14-594-9589	<p>ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment V)</p>	UN	1	\$3.580,91
PG71200-2025-02284	4130-14-603-3419	<p>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 CRXW - FILTERING MEDIA</p>	UN	2	\$151,62

		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) ADDITIONAL INFORMATION: technical drawing (attachment W)			
PG71200-2025-02285	5340-14-607-1739	PLATE, MOUNTING NAME - ITEM NAME PLATE, MOUNTING SHPE - SHAPE RECTANGULAR W/ONE ROUND END ADDITIONAL INFORMATION: technical drawing (attachment X)	UN	8	\$10.385,10
PG71200-2025-02290	5310-14-537-7007	NUT, PLAIN, HEXAGON NAME - ITEM NAME NUT, PLAIN, HEXAGON AAJF - THREAD DIRECTION RIGHT-HAND ACTA - NUT STYLE 12 ADEA - NUT HEIGHT 12,1 MILLIMETERS MINIMUM AND 12,8 MILLIMETERS MAXIMUM ASDB - WIDTH ACROSS FLATS 20,67 MILLIMETERS MINIMUM AND 21,0 MILLIMETERS MAXIMUM BZRR - THREAD SERIES ISO M CQJX - NOMINAL THREAD SIZE 14,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CRTM - BEARING SURFACE TYPE CHDWF CTTC - THREAD TOLERANCE CLASS 6H INTERNAL FEAT - SPECIAL FEATURES ACIER INOX A FAIBLE TENEUR EN CARBONE N'EXCEDANT PAS 0,03% MATT - MATERIAL ACIER COMP A4L SFTT - SURFACE TREATMENT PASSIVATE SUPP - SUPPLEMENTARY FEATURES CLASSIFICATION TYPE 2. DIMENSIONS NON PREFERENTIELLES TEST - TEST DATA DOCUMENT I9008-ISO 3506-2 STANDARD (INCLUDES INDUSTRY	UN	4	\$264,71

		<p>OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.). UKAS - STRENGTH GRADE DESIGNATION 80 ZZZW - DEPARTURE FROM CITED DOCUMENT MODIFIE PAR MATIERE</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment Y)</p>			
PG71200-2025-02291	5330-14-582-1654	<p>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</p>	UN	8	\$13.532,80
PG71200-2025-02293	5310-14-587-9975	<p>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</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment Z)</p>	UN	1	\$167,93
PG71200-2025-02294	5360-14-587-9977	<p>SPRING,HELICAL,COMPRESSION NAME - ITEM NAME SPRING,HELICAL,COMPRESSION AARX - INSIDE DIAMETER 33,2</p>	UN	1	\$1.088,87

		<p>MILLIMETERS MINIMUM ABQK - END STYLE SPRING END,GROUND AGEK - SPRING FREE LENGTH 110,3 MILLIMETERS NOMINAL APCN - COIL QUANTITY 6 AXJQ - SPRING SOLID LENGTH 78,0 MILLIMETERS NOMINAL AXLH - COIL HELIX DIRECTION RIGHT- HAND AXLP - SPRING DEFLECTION RATE 35,9 NEWTONS PER MILLIMETER NOMINAL AXLQ - SPRING FREE OUTSIDE 47,3 MILLIMETERS MAXIMUM DIAMETER CXCX - PART NAME ASSIGNED RESSORT INTERIEUR POUR SOUPAPE TAREE A 79,2 BAR ET 90 BAR STF BY CONTROLLING AGENCY 22-52/B033 MATT - MATERIAL X10CRN118-8 STYL - STYLE DESIGNATOR CYLINDRICAL ADDITIONAL INFORMATION: technical drawing (attachment AA)</p>			
PG71200-2025-02295	5330-14-586-4327	<p>GASKET NAME - ITEM NAME GASKET ABKU - FLANGE THICKNESS 2,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 38,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 19,0 MILLIMETERS NOMINAL AGAV - END ITEM IDENTIFICATION MAT177-0304_EXPA; CLAPET DE SECURITE DN65 CXCX - PART NAME ASSIGNED RONDELLE DE FROTTEMENT BY CONTROLLING AGENCY MATT - MATERIAL TEFLON STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment AB)</p>	UN	1	\$292,15
PG71200-2025-02300	5330-14-594-8399	<p>GASKET NAME - ITEM NAME GASKET ADUE - APERTURE WIDTH 362,0 MILLIMETERS NOMINAL ADUF - APERTURE LENGTH 462,0 MILLIMETERS NOMINAL ADUV - BEARING SURFACE</p>	UN	1	\$2.630,66

		WIDTH 66,5 MILLIMETERS NOMINAL MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR OVAL			
PG71200-2025-02302	5330-14-595-8376	GASKET NAME - ITEM NAME GASKET MATT - MATERIAL RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR STYL - STYLE DESIGNATOR OVAL ADDITIONAL INFORMATION: technical drawing (attachment AC)	UN	1	\$2.024,65
PG71200-2025-02304	5331-14-568-2209	O-RING NAME - ITEM NAME O-RING ADV N - CROSS-SECTIONAL HEIGHT 1,78 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 26,7 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 90,0 SHORE DUROMETER A NOMINAL CXC Y - PART NAME ASSIGNED JOINT BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR ADDITIONAL INFORMATION: technical drawing (attachment AD)	UN	1	\$110,50
PG71200-2025-02305	5360-14-595-4697	SPRING,HELICAL,EXTENSION NAME - ITEM NAME SPRING,HELICAL,EXTENSION ABQK - END STYLE FULL LOOP ACVU - STOCK DIAMETER 4,0 MILLIMETERS NOMINAL AGEK - SPRING FREE LENGTH 128,0 MILLIMETERS NOMINAL ASZD - LOAD RATING 600N MAX AXLH - COIL HELIX DIRECTION RIGHT- HAND AXLQ - SPRING FREE OUTSIDE 33,0 MILLIMETERS NOMINAL DIAMETER MATT - MATERIAL X10CRNI18-08 (fr: X10CrNi18-08) STYL - STYLE DESIGNATOR CYLINDRICAL ADDITIONAL INFORMATION: technical drawing (attachment AE)	UN	1	\$422,12
PG71200-2025-02308	5330-14-475-7205	RETAINER,PACKING ADDITIONAL INFORMATION: technical drawing (attachment AF)	UN	4	\$178,49
PG71200-2025-02311	5310-14-552-7490	WASHER,KEY	UN	7	\$4.615,39

		NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 58,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED FREIN D'ECROU BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME S355 K2 G3 ZINGUE ADDITIONAL INFORMATION: technical drawing (attachment AG)			
PG71200-2025-02312	5340-14-525-3823	ANODE,CORROSION PREVENTIVE ADDITIONAL INFORMATION: technical drawing (attachment AH)	UN	14	\$111.059,86
PG71200-2025-02313	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 AI)	UN	1	\$1.718,01
PG71200-2025-02316	5330-14-591-1274	GASKETNAME - ITEM NAME GASKET ABKG - BOLT CIRCLE DIAMETER 445,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 470,0 MILLIMETERS NOMINAL ADVK - CROSS SECTION INSIDE DIAMETER 405,0 MILLIMETERS NOMINAL ADVL - CROSS SECTION OUTSIDE DIAMETER 470,0 MILLIMETERS NOMINAL ADVM - CROSS-SECTIONAL THICKNESS 3,0 MILLIMETERS MAXIMUM AECS - BOLT HOLE QUANTITY 12,0 BYWW - SMALLEST BOLT HOLE DIAMETER 12,0 MILLIMETERS NOMINAL BYWX - LARGEST BOLT HOLE DIAMETER 12,0 MILLIMETERS NOMINAL CXCX - PART NAME ASSIGNED WELLRINDICTUNG RAPIDO DN 350 BY CONTROLLING AGENCY STYL - STYLE DESIGNATOR CIRCULAR	UN	2	\$8.344,80

		SUPP - SUPPLEMENTARY FEATURES PRESENCE D'UN MEPLAT SUR LE HAUT ET LE BAS DU JOINT ADDITIONAL INFORMATION: technical drawing (attachment AJ)			
PG71200-2025-02317	4820-14-590-1665	DISK,VALVE NAME - ITEM NAME DISK,VALVE ABKW - OVERALL HEIGHT 22,0 MILLIMETERS NOMINAL ABMG - SHOULDER HEIGHT 8,0 MILLIMETERS NOMINAL ABND - TAPER LENGTH 4,0 MILLIMETERS NOMINAL CQJX - NOMINAL THREAD SIZE 5,0 MILLIMETERS CRRB - SEAT ANGLE 30,0 DEGREES NOMINAL MATT - MATERIAL ACIER X2CRNIMO17- 12-02 AND POLYCHLOREPRENE 31B8 STYL - STYLE DESIGNATOR PLUG THSD - THREAD SERIES DESIGNATOR ISO M ADDITIONAL INFORMATION: technical drawing (attachment AK)	UN	1	\$13.109,00
PG71200-2025-02318	4820-15-179-4701	VALVE,REGULATING,FLUID PRESSURE ADDITIONAL INFORMATION: technical drawing (attachment AL)	UN	2	\$130,12
PG71200-2025-02319	5330-14-596-7017	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE 21 ABKV - OUTSIDE DIAMETER 26,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 21,2 MILLIMETERS NOMINAL ADV M - CROSS-SECTIONAL THICKNESS 1,5 MILLIMETERS NOMINAL CXC Y - PART NAME ASSIGNED JOINT PLAT EN CUIVRE RECUIT 21,2X26X1,5 NON NORMALISE POUR BY CONTROLLING AGENCY IMPLANTATION PAS DU GAZ STF 33-07- 02/021E MATT - MATERIAL COPPER STYL - STYLE DESIGNATOR 1	UN	26	\$464,94
PG71200-2025-02321	5307-14-597-3261	STUD,PLAIN NAME - ITEM NAME STUD,PLAIN AASA - THREAD LENGTH 53,0 MILLIMETERS NOMINAL ABHP - OVERALL LENGTH 288,0 MILLIMETERS NOMINAL	UN	144	\$22.534,43

		CQJX - NOMINAL THREAD SIZE 20,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,5 CTTC - THREAD TOLERANCE CLASS 6G EXTERNAL MATT - MATERIAL ACIER INOXYDABLE THSD - THREAD SERIES DESIGNATOR ISO M			
PG71200-2025-02323	5340-14-594-8767	RETAINER,NUT AND BOLT ADDITIONAL INFORMATION: technical drawing (attachment AM)	UN	1	\$683,54
				Total	\$805.425,87

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 805.425,87 , 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, 31th March 2026.

SAINT-CLAIR DANTAS OLIVEIRA SANTOS

Captain (Ret.)

Submarine Project Management Chief of Department

LEANDRO BRILHANTE REGLY

Lieutenant-Commander

Supply Advisor

BRUCE ENGLE FRÓES

Lieutenant-Commander

Ship Manager Auxiliary

Approved by:

MARCELO ANTONIO ROCHA AFONSO

Captain

Expenditure Authorising Officer