

**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 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
PG71200-2024-02072	5920-14-202-3412	FUSE,CARTRIDGE NAME - ITEM NAME FUSE,CARTRIDGE AAQL - BODY STYLE TUBE TYPE ABHP - OVERALL LENGTH 20,0 MILLIMETERS NOMINAL ADAV - OVERALL DIAMETER 5,0 MILLIMETERS MINIMUM AEBJ - CONTINUOUS CURRENT RATING IN AMPS 1,0 AFXE - MAXIMUM VOLTAGE RATING IN VOLTS 220,0 AC AFXF - CIRCUIT OVER- CURRENT INTERRUPTION TYPE NORMAL INSTANTANEOUS AFXH - INTERRUPTION INDICATOR METHOD VISIBLE ELEMENT SFTT - SURFACE TREATMENT NICKEL TERMINAL TEST - TEST DATA DOCUMENT F0115-08-01 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.).	UN	500,00	\$344,83
PG71200-2024-02084	5330-14-489-0122	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE 33	UN	12,00	\$186,21

		<p>ABKV - OUTSIDE DIAMETER 179,0 MILLIMETERS NOMINAL</p> <p>ABVL - APERTURE DIAMETER 135,0 MILLIMETERS NOMINAL</p> <p>ADVM - CROSS-SECTIONAL THICKNESS 2,0 MILLIMETERS NOMINAL</p> <p>CTQT - OPERATING MEDIUM HYDROCARBURE OR WATER OR OIL OR GAS OR STEAM OR REFRIGERANT OR ACIDE ET BASE FAIBLE</p> <p>CXCX - PART NAME ASSIGNED JOINT PLAT 135X179X2 KLINGERSIL C- 4430 STF 33-07-02/002E BY CONTROLLING AGENCY HUES - COLOR GREEN AND WHITE</p> <p>MATT - MATERIAL FIBRES DE VERRE AND FIBRE D'ARAMIDE AND RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR</p> <p>MDCL - MATERIAL DOCUMENT KLINGERSIL C- 4430 MFR REF SINGLE MATERIAL RESPONSE AND CLASSIFICATION</p> <p>STYL - STYLE DESIGNATOR 1</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment A)</p>			
PG71200-2024-02086	5305-14-507-0631	<p>SCREW,MACHINE NAME - ITEM NAME SCREW,MACHINE</p> <p>AAJF - THREAD DIRECTION RIGHT-HAND</p> <p>AASA - THREAD LENGTH 6,0 MILLIMETERS NOMINAL</p> <p>AASB - FASTENER LENGTH 6,0 MILLIMETERS NOMINAL</p> <p>AASK - HEAD STYLE FLAT FILLISTER</p> <p>AASL - HEAD DIAMETER 5,32 MILLIMETERS MINIMUM AND 5,50 MILLIMETERS MAXIMUM</p>	UN	200,00	\$3.122,90

		<p>AASU - HEAD HEIGHT 1,86 MILLIMETERS MINIMUM AND 2,00 MILLIMETERS MAXIMUM</p> <p>ABQZ - INTERNAL DRIVE STYLE SLOT</p> <p>AHYM - NOMINAL THREAD DIAMETER 3,0 MILLIMETERS</p> <p>CQQR - THREAD PITCH IN MILLIMETERS 0,5</p> <p>CQWR - EXTERNAL THREAD TOLERANCE CLASS 6G</p> <p>CYAU - SCREW MATERIAL STEEL</p> <p>CYBA - SCREW SURFACE TREATMENT PASSIVATE</p> <p>TEST - TEST DATA DOCUMENT F0110-E27-003 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.).</p> <p>THSD - THREAD SERIES DESIGNATOR ISO M</p> <p>UKAS - STRENGTH GRADE DESIGNATION 80</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment B)</p>			
PG71200-2024-02090	5310-14-503-1231	<p>NUT,SELF-LOCKING,HEXAGON</p> <p>NAME - ITEM NAME</p> <p>NUT,SELF-LOCKING,HEXAGON</p> <p>AAJF - THREAD DIRECTION RIGHT-HAND</p> <p>AAUM - LOCKING FEATURE PREVAILING TORQUE WITH NONMETALLIC INSERT</p> <p>ACTA - NUT STYLE HEXAGON</p> <p>ADEA - NUT HEIGHT 12,6 MILLIMETERS NOMINAL</p> <p>ASDB - WIDTH ACROSS FLATS 15,73 MILLIMETERS MINIMUM AND 16,00 MILLIMETERS MAXIMUM</p> <p>BZRR - THREAD SERIES ISO M</p> <p>CQJX - NOMINAL THREAD SIZE 10,0 MILLIMETERS</p> <p>CQQR - THREAD PITCH IN</p>	UN	1000,00	\$2.117,09

		<p>MILLIMETERS 1,5  CRTM - BEARING SURFACE  TYPE CHAMFERED  CTTC - THREAD TOLERANCE  CLASS 6H INTERNAL  FEAT - SPECIAL FEATURES  QUALITE A4-80  MATT - MATERIAL OVERALL  EXCEPT INSERT STEEL COMP  A4  ADDITIONAL INFORMATION:  technical drawing  (attachment C)</p>			
PG71200-2024-02094	4820-14-594-6894	<p>VALVE A DRAWER  ADDITIONAL INFORMATION:  technical drawing  (attachment D)</p>	UN	11,00	\$71.575,86
PG71200-2024-02096	5920-14-202-1884	<p>FUSE,CARTRIDGE  NAME - ITEM NAME  FUSE,CARTRIDGE  AAQL - BODY STYLE TUBE  TYPE  ABHP - OVERALL LENGTH  20,0 MILLIMETERS NOMINAL  ADAV - OVERALL DIAMETER  5,0 MILLIMETERS NOMINAL  AEBJ - CONTINUOUS  CURRENT RATING IN AMPS  0,25  AFXE - MAXIMUM VOLTAGE  RATING IN VOLTS 125,0 AC  AFXF - CIRCUIT OVER-  CURRENT INTERRUPTION  TYPE TIME DELAY  AFXH - INTERRUPTION  INDICATOR METHOD VISIBLE  ELEMENT  CQPB - CIRCUIT OVER-  CURRENT INTERRUPTION  DELAY TIME IN SECONDS 60,0  300 PCT OF CURRENT RATING  AND 10,0 500 PCT OF  CURRENT  RATING  FEAT - SPECIAL FEATURES  POUVOIR DE COUPURE EN  AMPERES : 40,0  SFTT - SURFACE TREATMENT  TRAITEMENT DE SURFACE  DES CONNEXIONS : NICKEL  SUPP - SUPPLEMENTARY</p>	UN	5,00	\$251,67

		<p><b>FEATURES</b></p> <p><b>DATE FICHE PRECEDENTE :</b> 73-01-25</p> <p><b>TEST - TEST DATA DOCUMENT F0114-C93-435 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.).</b> <b>(attachment E)</b></p>			
PG71200-2024-02100	4330-14-584-9905	<p>FILTER ELEMENT,FLUID</p> <p><b>NAME - ITEM NAME FILTER ELEMENT,FLUID</b></p> <p><b>ADAS - BODY INSIDE DIAMETER 33,2 MILLIMETERS MINIMUM AND 34,2 MILLIMETERS MAXIMUM</b></p> <p><b>AZTL - BODY OVERALL LENGTH 51,5 MILLIMETERS MINIMUM AND 52,5 MILLIMETERS MAXIMUM</b></p> <p><b>CXCX - PART NAME ASSIGNED TAMIS BY CONTROLLING AGENCY</b></p> <p><b>MATT - MATERIAL TOILE METALLIQUE N°35, X2CRNI 19-11</b></p> <p><b>STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER</b></p>	UN	1,00	\$1.942,53
PG71200-2024-02111	5920-14-203-1051	<p>FUSE,CARTRIDGE</p> <p><b>NAME - ITEM NAME FUSE,CARTRIDGE</b></p> <p><b>AAQL - BODY STYLE TUBE TYPE</b></p> <p><b>ABHP - OVERALL LENGTH 20,0 MILLIMETERS NOMINAL</b></p> <p><b>ADAV - OVERALL DIAMETER 5,0 MILLIMETERS NOMINAL</b></p> <p><b>AEBJ - CONTINUOUS CURRENT RATING IN AMPS 4,0</b></p> <p><b>AFXE - MAXIMUM VOLTAGE RATING IN VOLTS 125.0 AC</b></p> <p><b>AFXF - CIRCUIT OVER-CURRENT INTERRUPTION TYPE NORMAL</b></p> <p><b>INSTANTANEOUS</b></p> <p><b>AFXH - INTERRUPTION</b></p>	UN	10,00	\$278,61

		INDICATOR METHOD VISIBLE ELEMENT SFTT - SURFACE TREATMENT NICKEL TERMINAL TEST - TEST DATA DOCUMENT F0114-C93-435 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.).			
PG71200-2024-02116	6160-14-573-3068	BATTERY BOX ADDITIONAL INFORMATION: technical drawing (attachment F)	UN	2,00	\$10.439,08
PG71200-2024-02117	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 MDCL - MATERIAL DOCUMENT NFL17-120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE STYL - STYLE DESIGNATOR CIRCULAR	UN	34,00	\$468,97
PG71200-2024-02123	5310-14-283-6828	NUT,SELF-LOCKING,HEXAGON NAME - ITEM NAME NUT,SELF- LOCKING,HEXAGON	UN	20,00	\$735,63

		AAJF - THREAD DIRECTION RIGHT-HAND AAUM - LOCKING FEATURE BAGUE-RESSORT ACTA - NUT STYLE A14F BZRR - THREAD SERIES ISO M CQJX - NOMINAL THREAD SIZE 16,0 MILLIMETERS CQQR - THREAD PITCH IN MILLIMETERS 2,0 CRTM - BEARING SURFACE TYPE FLAT FEAT - SPECIAL FEATURES R: 65/70HB; COUPLE DE SERRAGE: 10,5 MDAN MATT - MATERIAL BRONZE D'ALUMINIUM (BAL 65)			
PG71200-2024-02127	5310-14-592-2942	WASHER,KEY NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 5,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 12,0 MILLIMETERS NOMINAL ABLC - EXTERNAL STRAIGHT KEY WIDTH 5,0 MILLIMETERS NOMINAL ABPX - MATERIAL THICKNESS 0,5 MILLIMETERS NOMINAL MATT - MATERIAL STEEL COMP 321 OR X6CRNIT18-10 MDCL - MATERIAL DOCUMENT EN 10088-2 NATIONAL SPEC SINGLE MATERIAL RESPONSE AND CLASSIFICATION NRAA - DISTANCE FROM CENTERLINE TO END OF LONGEST KEY 12,0 MILLIMETERS NOMINAL NRAB - DISTANCE FROM CENTERLINE TO END OF SHORTEST KEY 8,0 MILLIMETERS NOMINAL SFTT - SURFACE TREATMENT PASSIVATE STDC - SURFACE TREATMENT EN ISO 16048 NATIONAL SPEC SINGLE TREATMENT RESPONSE	UN	24,00	\$744,83

		<p>DOCUMENT AND CLASSIFICATION  STYL - STYLE DESIGNATOR  A222  ADDITIONAL INFORMATION:  technical drawing  (attachment G)</p>			
PG71200-2024-02133	5920-12-157-8278	<p>FUSE,CARTRIDGE  NAME - ITEM NAME  FUSE,CARTRIDGE  AAQL - BODY STYLE TUBE  TYPE  ABHP - OVERALL LENGTH  20.0 MILLIMETERS NOMINAL  ADAV - OVERALL DIAMETER  5.2 MILLIMETERS NOMINAL  AEBJ - CONTINUOUS  CURRENT RATING IN AMPS  1.6  AFXE - MAXIMUM VOLTAGE  RATING IN VOLTS 250.0 AC  AND 250.0 DC  AFXF - CIRCUIT OVER-  CURRENT INTERRUPTION  TYPE NORMAL  INSTANTANEOUS  AFXH - INTERRUPTION  INDICATOR METHOD VISIBLE  ELEMENT  CBBL - FEATURES PROVIDED  NONRENEWABLE FUSIBLE  ELEMENT  CWJK - CASE MATERIAL  GLASS  FEAT - SPECIAL FEATURES  SCHALTVERMOEGEN: 35.0 A  TEXT - GENERAL  CHARACTERISTICS ITEM  DESCRIPTION SLOW POWER  INTERRUPTION /// TRAEGE  STROMUNTERBRECHUNG.</p>	UN	1000,00	\$189,95
PG71200-2024-02134	5999-14-583-5849	<p>SHIELDING  GASKET,ELECTRONIC  ELETRÔNICA  NAME - ITEM NAME  SHIELDING  GASKET,ELECTRONIC  ABHP - OVERALL LENGTH  25000,0 MILLIMETERS  NOMINAL  ABKW - OVERALL HEIGHT 3,0</p>	UN	3,00	\$4.468,97

		<p>MILLIMETERS MINIMUM AND 5,0 MILLIMETERS MAXIMUM</p> <p>ABMK - OVERALL WIDTH 10,8 MILLIMETERS MINIMUM AND 13,2 MILLIMETERS MAXIMUM</p> <p>CXCX - PART NAME ASSIGNED JOINT TRISIL 4X12MM LG 25M</p> <p>BY CONTROLLING AGENCY</p> <p>FEAT - SPECIAL FEATURES JOINT HF TYPE TRIMET (4X4MM EN FIL DE MONEL DIA. 0,11 MM) ACCOLE A UN JOINT EN NEOPRENE CELLULAIRE (4X8MM);</p> <p>EMBALLAGE: BOBINE DANS UN CARTON</p> <p>MATT - MATERIAL RUBBER CHLOROPRENE CLASS CR AND MONEL (TRIMET)</p> <p>STYL - STYLE DESIGNATOR STRIP</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment H)</p>			
PG71200-2024-02135	4330-14-585-2901	<p>FILTER ELEMENT,FLUID</p> <p>NAME - ITEM NAME FILTER ELEMENT,FLUID</p> <p>ABPM - BODY DIAMETER 59,4 MILLIMETERS MINIMUM AND 60,6 MILLIMETERS MAXIMUM</p> <p>ADAS - BODY INSIDE DIAMETER 54,0 MILLIMETERS NOMINAL</p> <p>AZTL - BODY OVERALL LENGTH 86,0 MILLIMETERS MINIMUM AND 86,5 MILLIMETERS MAXIMUM</p> <p>MATT - MATERIAL BRONZE CLASSE 30</p> <p>STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER</p> <p>SUPP - SUPPLEMENTARY FEATURES POUR TOUTES LES ARETES, CHANFREIN DE 0,5 MM A 45 DEGRES "PAS DE BAVURE"; CONICITE 0,3%.</p>	UN	17,00	\$8.812,64

PG71200-2024-02139	5330-14-594-9411	<p>NAME - ITEM NAME</p> <p>PACKING WITH RETAINER</p> <p>ABHE - OUTSIDE DIAMETER 29,0 MILLIMETERS NOMINAL</p> <p>ADTJ - RETAINER THICKNESS 2,0 MILLIMETERS NOMINAL</p> <p>AFFW - RETAINER INSIDE DIAMETER 22,4 MILLIMETERS NOMINAL</p> <p>AFFX - PACKING INSIDE DIAMETER 20,7 MILLIMETERS NOMINAL</p> <p>CQCF - CONSTRUCTION ONE- PIECE</p> <p>CTPZ - PACKING RING THICKNESS 2,8 MILLIMETERS NOMINAL</p> <p>CXCX - PART NAME ASSIGNED GARNITURE D'ETANCHEITE AVEC GRAIN DE RETENUE TYPE BAGUE BS BY CONTROLLING AGENCY C20 20A8</p> <p>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.</p> <p>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)</p> <p>MATT - MATERIAL SEALING ELEMENT RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR</p> <p>MDCL - MATERIAL DOCUMENT RME NATIONALE, 1ERE A 3EME MATIERE NF EN 10139 INTERNATIONAL AND CLASSIFICATION STD/SPEC O OR NF EN 10294-</p>	UN	5,00	\$672,41
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		<p>1 NATIONAL SPEC 4TH MATERIAL RETAINER</p> <p>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</p>			
PG71200-2024-02140	5305-14-594-4413	<p>SCREW,CAP,SOCKET HEAD NAME - ITEM NAME</p> <p>SCREW,CAP,SOCKET HEAD AAJF - THREAD DIRECTION RIGHT-HAND</p> <p>AASA - THREAD LENGTH 29,0 MILLIMETERS NOMINAL</p> <p>AASB - FASTENER LENGTH 35,0 MILLIMETERS NOMINAL</p> <p>AASK - HEAD STYLE FLAT COUNTERSUNK</p> <p>AASL - HEAD DIAMETER 33,6 MILLIMETERS MAXIMUM AND 29,01 MILLIMETERS MINIMUM</p> <p>AASU - HEAD HEIGHT 8,8 MILLIMETERS MAXIMUM</p> <p>ABQZ - INTERNAL DRIVE STYLE HEXAGON</p> <p>AHYM - NOMINAL THREAD DIAMETER 16,0 MILLIMETERS</p> <p>ASDB - WIDTH ACROSS FLATS 10,0 MILLIMETERS NOMINAL</p> <p>CQQR - THREAD PITCH IN MILLIMETERS 2,0</p> <p>CQWR - EXTERNAL THREAD TOLERANCE CLASS 6G</p> <p>CRSQ - COUNTERSINK ANGLE 90,0 DEGREES NOMINAL</p> <p>MATT - MATERIAL ACIER COMP A4L</p> <p>SFTT - SURFACE TREATMENT PASSIVATE</p> <p>THSD - THREAD SERIES DESIGNATOR ISO M</p> <p>ADDITIONAL INFORMATION: technical drawing</p>	UN	25,00	\$2.643,68

		<b>(attachment I)</b>			
PG71200-2024-02141	4130-12-384-5470	FILTER MEDIA,AIR CONDITIONING <b>ADDITIONAL INFORMATION: technical drawing (attachment J)</b>	UN	10,00	\$183,91
PG71200-2024-02142	5330-14-584-9887	GASKET NAME - ITEM NAME GASKET AAGR - CROSS-SECTIONAL SHAPE STYLE SOLID SINGLE OR COMPOSITION ABKV - OUTSIDE DIAMETER 70,0 MILLIMETERS MINIMUM AND 70,3 MILLIMETERS MAXIMUM ABVL - APERTURE DIAMETER 53,7 MILLIMETERS MINIMUM AND 54,0 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 MDCL - MATERIAL DOCUMENT NFL17-120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE STYL - STYLE DESIGNATOR CIRCULAR	UN	34,00	\$625,29
PG71200-2024-02143	5330-14-593-7848	PACKING WITH RETAINER NAME - ITEM NAME PACKING WITH RETAINER ABHE - OUTSIDE DIAMETER 51,0 MILLIMETERS NOMINAL ADTJ - RETAINER THICKNESS 2,5 MILLIMETERS NOMINAL AFFW - RETAINER INSIDE DIAMETER 42,6 MILLIMETERS NOMINAL AFFX - PACKING INSIDE DIAMETER 40,0 MILLIMETERS NOMINAL CQCF - CONSTRUCTION ONE-	UN	1,00	\$356,32

		<p>PIECE  CTPZ - PACKING RING  THICKNESS 3,3 MILLIMETERS  NOMINAL  CXCX - PART NAME  ASSIGNED GARNITURE  D'ETANCHEITE AVEC GRAIN  DE RETENUE TYPE BAGUE BS  BY CONTROLLING AGENCY  D39 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)  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</p>			
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		<b>ADDITIONAL INFORMATION: technical drawing (attachment K)</b>			
PG71200-2024-02147	7025-14-602-2007	DISK DRIVE UNIT <b>NAME - ITEM NAME DISK DRIVE UNIT</b> <b>APGF - DESIGN TYPE HARD DISK</b> <b>CPLR - UNIT DESIGN INTERNAL</b> <b>CXCY - PART NAME ASSIGNED DISQUE SATA SSD 128G</b> <b>BY CONTROLLING AGENCY CYEC - INTERFACE TYPE SATA 3</b> <b>CYFN - DRIVE QUANTITY 1,0</b> <b>CYFP - DATA STORAGE CAPACITY 128,0 GIGAOCTETS</b> <b>CYHN - DRIVE SIZE 2.50</b> <b>FEAT - SPECIAL FEATURES DISQUE TYPE SSD</b>	UN	1,00	\$351,72
PG71200-2024-02163	5331-14-590-0833	<b>O-RING</b> <b>NAME - ITEM NAME O-RING</b> <b>ABHE - OUTSIDE DIAMETER 33,4 MILLIMETERS NOMINAL</b> <b>ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS</b> <b>ADV N - CROSS-SECTIONAL HEIGHT 3,6 MILLIMETERS NOMINAL</b> <b>ADYT - CENTER HOLE DIAMETER 26,2 MILLIMETERS NOMINAL</b> <b>CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM</b> <b>CXCY - PART NAME ASSIGNED JOINT TORIQUE 26,20X3,60 20A8 CLASSES B- N STF 33-07-02/019E</b> <b>BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER</b>	UN	17,00	\$175,86

		<p>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 B - NF  ISO 3601-1  PROFESSIONAL/INDUSTRIAL  ASSOCIATION STANDARD  AND CLASSE DE QUALITE N -  ISO 3601-3  PROFESSIONAL/INDUSTRIAL  ASSOCIATION STANDARD  ADDITIONAL INFORMATION:  technical drawing  (attachment L)</p>			
PG71200-2024-05044	5330-14-582-9761	<p>GASKET  NAME - ITEM NAME GASKET  AAGR - CROSS-SECTIONAL  SHAPE STYLE SOLID SINGLE  OR COMPOSITION  ABKV - OUTSIDE DIAMETER  92,0 MILLIMETERS NOMINAL  ABVL - APERTURE DIAMETER  49,0 MILLIMETERS NOMINAL  ADV M - CROSS-SECTIONAL  THICKNESS 2,0 MILLIMETERS  NOMINAL  AGAV - END ITEM  IDENTIFICATION BARRACUDA  MATT - MATERIAL PLASTIC  POLYTETRAFLUOROETHYLEN  E  STYL - STYLE DESIGNATOR  CIRCULAR</p>	UN	31,00	\$391,95
PG71200-2024-05166	5305-14-586-0520	<p>SCREW, SHOULDER  NAME - ITEM NAME  SCREW, SHOULDER  AAJF - THREAD DIRECTION  RIGHT-HAND  AASA - THREAD LENGTH 24,0  MILLIMETERS NOMINAL  AASB - FASTENER LENGTH  135,5 MILLIMETERS  NOMINAL</p>	UN	2,00	\$2.275,86

		<p>AASK - HEAD STYLE          HEXAGON          ABQZ - INTERNAL DRIVE          STYLE W/O INTERNAL DRIVE          AHYM - NOMINAL THREAD          DIAMETER 16,0          MILLIMETERS          CXCX - PART NAME          ASSIGNED VIS AJUSTEE          BY CONTROLLING AGENCY          MATT - MATERIAL ACIER          COMP X2CRNIMOCUN25-6-3          THSD - THREAD SERIES          DESIGNATOR ISO M          ADDITIONAL INFORMATION:          technical drawing          (attachment M)</p>			
PG71200-2024-05170	5305-14-593-7099	<p>SCREW,CAP,HEXAGON HEAD          NAME - ITEM NAME          SCREW,CAP,HEXAGON HEAD          AAJF - THREAD DIRECTION          RIGHT-HAND          AASA - THREAD LENGTH 44,0          MILLIMETERS NOMINAL          AASB - FASTENER LENGTH          139,2 MILLIMETERS          MINIMUM AND 140,8          MILLIMETERS MAXIMUM          AASK - HEAD STYLE 1          AASU - HEAD HEIGHT 9,82          MILLIMETERS MINIMUM          AND 10,18 MILLIMETERS          MAXIMUM          AATB - WIDTH BETWEEN          FLATS 23,67 MILLIMETERS          MINIMUM AND 24,0          MILLIMETERS MAXIMUM          AHYM - NOMINAL THREAD          DIAMETER 16,0          MILLIMETERS          CQQR - THREAD PITCH IN          MILLIMETERS 2,0          CQWR - EXTERNAL THREAD          TOLERANCE CLASS 6G          CXCX - PART NAME          ASSIGNED VIS A TETE          HEXAGONALE TIGE          NORMALE TYPE 1 M16X140          ACIER          BY CONTROLLING AGENCY          INOXYDABLE Z6CND16-05-01</p>	UN	11,00	\$201,15

		<p>GRADE A NF E25-112  MATT - MATERIAL OVERALL  ACIER COMP Z6CND16-05-01  MDCL - MATERIAL  DOCUMENT GUIDE 14G1  CODE KV MIL SPEC SINGLE  MATERIAL RESPONSE  AND CLASSIFICATION  OVERALL  THSD - THREAD SERIES  DESIGNATOR  ISO M  ADDITIONAL INFORMATION:  technical drawing  (attachment N)</p>			
PG71200-2024-05172	5310-14-586-0494	<p>WASHER,KEY  NAME - ITEM NAME  WASHER,KEY  AAUB - HOLE DIAMETER  140,0 MILLIMETERS  NOMINAL  ABKV - OUTSIDE DIAMETER  160,0 MILLIMETERS  NOMINAL  ABLJ - INTERNAL STRAIGHT  KEY WIDTH 16,0  MILLIMETERS NOMINAL  ABMR - INTERNAL KEY  QUANTITY 1,0  CXCX - PART NAME  ASSIGNED RONDELLE FREIN  INFERIEURE  BY CONTROLLING AGENCY  MATT - MATERIAL ACIER  COMP X6CRNIT18-10  STYL - STYLE DESIGNATOR  A154  ADDITIONAL INFORMATION:  technical drawing  (attachment O)</p>	UN	2,00	\$209,20
PG71200-2024-05175	5310-14-586-0495	<p>WASHER,KEY  NAME - ITEM NAME  WASHER,KEY  AAUB - HOLE DIAMETER  134,0 MILLIMETERS  NOMINAL  ABKV - OUTSIDE DIAMETER  160,0 MILLIMETERS  NOMINAL  ABLJ - INTERNAL STRAIGHT  KEY WIDTH 14,0</p>	UN	2,00	\$464,37

		<p>MILLIMETERS NOMINAL  ABMR - INTERNAL KEY  QUANTITY 1,0  CXCX - PART NAME  ASSIGNED RONDELLE FREIN  SUPERIEURE  BY CONTROLLING AGENCY  MATT - MATERIAL ACIER  COMP X6CRNIT18-10  STYL - STYLE DESIGNATOR  A154  ADDITIONAL INFORMATION:  technical drawing  (attachment P)</p>			
PG71200-2024-05177	5330-14-586-3162	<p>SEAL, NONMETALLIC SPECIAL  SHAPED SECTION  NAME - ITEM NAME  SEAL, NONMETALLIC SPECIAL  SHAPED SECTION  AAGR - CROSS-SECTIONAL  SHAPE STYLE TRAPEZOID  ABVL - APERTURE DIAMETER  112,0 MILLIMETERS  NOMINAL  ADVN - CROSS-SECTIONAL  HEIGHT 12,0 MILLIMETERS  NOMINAL  ADWH - CROSS-SECTIONAL  WIDTH 14,0 MILLIMETERS  NOMINAL  AGAV - END ITEM  IDENTIFICATION VERIN, DCNS  CENTRE DE RUELLE  CQCF - CONSTRUCTION  SOLID  CQFM - HARDNESS RATING  60,0 SHORE DUROMETER A  NOMINAL  CXCX - PART NAME  ASSIGNED JOINT  TRAPEZOIDALE  BY CONTROLLING AGENCY  MATT - MATERIAL  RUBBER BUTADIENE-  ACRYLONITRILE CLASS NBR  MDCL - MATERIAL  DOCUMENT NFL17-120B,  CLASSE 20, S-CLASSE A, CAT 6  NATIONAL SPEC SINGLE  AND CLASSIFICATION  MATERIAL RESPONSE</p>	UN	2,00	\$622,99

		<p>STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment Q)</p>			
PG71200-2024-05178	5310-14-584-6590	<p>WASHER,KEY NAME - ITEM NAME WASHER,KEY AAUB - HOLE DIAMETER 30,0 MILLIMETERS NOMINAL ABKV - OUTSIDE DIAMETER 38,0 MILLIMETERS NOMINAL ABLF - EXTERNAL PREBENT KEY WIDTH 5,0 MILLIMETERS NOMINAL ABLJ - INTERNAL STRAIGHT KEY WIDTH 5,0 MILLIMETERS NOMINAL ABLQ - DISTANCE FROM CENTERLINE TO TOP OF INTERNAL KEY 12,5 MILLIMETERS NOMINAL ABLX - OVERALL DISTANCE INCLUDING KEYS 49,0 MILLIMETERS NOMINAL ABMQ - EXTERNAL KEY QUANTITY 13,0 ABPX - MATERIAL THICKNESS 1,25 MILLIMETERS NOMINAL CSKN - EXTERNAL PREBENT KEY ANGLE 25,0 DEGREES NOMINAL CXCX - PART NAME ASSIGNED RONDELLES FREIN POUR ECROUS A ENCOCHES SERIE LEGERE TYPE A BY CONTROLLING AGENCY 30 Z2CND17-12 SEMI-FINE, NF E 22-307 MATT - MATERIAL STEEL COMP Z2CND17-12 MDCL - MATERIAL DOCUMENT GUIDE 14G1 CODE HY MIL SPEC SINGLE MATERIAL RESPONSE AND CLASSIFICATION STYL - STYLE DESIGNATOR A183 ADDITIONAL INFORMATION: technical drawing (attachment R)</p>	UN	2,00	\$294,25

PG71200-2024-05179	5310-14-597-2013	<p>NUT,PLAIN,ROUND  NAME - ITEM NAME  NUT,PLAIN,ROUND  AAJF - THREAD DIRECTION  RIGHT-HAND  ACTA - NUT STYLE ROUND  BZRR - THREAD SERIES ISO M  CQJX - NOMINAL THREAD  SIZE 30,0 MILLIMETERS  CXCX - PART NAME  ASSIGNED ECROU A  ENCOCHES  BY CONTROLLING AGENCY  MATT - MATERIAL  NSPA / LD PROGRAMME  ACIER INOXYDABLE  ADDITIONAL INFORMATION:  technical drawing  (attachment 5)</p>	UN	2,00	\$1.862,07
PG71200-2024-05184	5305-14-537-6492	<p>SCREW,CAP,HEXAGON HEAD  NAME - ITEM NAME  SCREW,CAP,HEXAGON HEAD  AAJF - THREAD DIRECTION  RIGHT-HAND  AASA - THREAD LENGTH 20,0  MILLIMETERS NOMINAL  AASB - FASTENER LENGTH  20,0 MILLIMETERS NOMINAL  AASK - HEAD STYLE  HEXAGON  AASU - HEAD HEIGHT 6,4  MILLIMETERS NOMINAL  AATB - WIDTH BETWEEN  FLATS 15,73 MILLIMETERS  MINIMUM AND 16,0  MILLIMETERS MAXIMUM  ABQJ - POINT STYLE 30  AHYM - NOMINAL THREAD  DIAMETER 10,0  MILLIMETERS  CQBC - MINIMUM TENSILE  STRENGTH 800,0  MEGAPASCALS  CQHQ - MINIMUM YIELD  STRENGTH 600,0  MEGAPASCALS  CQQR - THREAD PITCH IN  MILLIMETERS 1,5  CQWR - EXTERNAL THREAD  TOLERANCE CLASS 6G  FEAT - SPECIAL FEATURES</p>	UN	14,00	\$201,15

		<p>ACIER INOX A FAIBLE TENEUR EN CARBONE N'EXEDANT PAS 0,03%.</p> <p>MATT - MATERIAL OVERALL ACIER COMP A4L</p> <p>SFTT - SURFACE TREATMENT PASSIVATE OVERALL</p> <p>TEST - TEST DATA DOCUMENT ISO3506-1 STANDARD (INCLUDES INDUSTRY OR ASSOCIATION STANDARDS, INDIVIDUAL MANUFACTUREER STANDARDS, ETC.).</p> <p>THSD - THREAD SERIES DESIGNATOR ISO M</p> <p>UKAS - STRENGTH GRADE DESIGNATION 80</p> <p>ZZZW - DEPARTURE FROM CITED DOCUMENT MATIERE</p> <p>ADDITIONAL INFORMATION: technical drawing (attachment T)</p>			
PG71200-2024-05186	5330-14-586-3153	<p>SEAL, NONMETALLIC SPECIAL SHAPED SECTION</p> <p>NAME - ITEM NAME</p> <p>SEAL, NONMETALLIC SPECIAL SHAPED SECTION</p> <p>AAGR - CROSS-SECTIONAL SHAPE STYLE TRAPEZOID</p> <p>ABVL - APERTURE DIAMETER 150,0 MILLIMETERS NOMINAL</p> <p>ADVH - CROSS-SECTIONAL HEIGHT 12,0 MILLIMETERS NOMINAL</p> <p>ADWH - CROSS-SECTIONAL WIDTH 14,0 MILLIMETERS NOMINAL</p> <p>AGAV - END ITEM IDENTIFICATION VERIN, DCNS</p> <p>CENTRE DE RUELLE</p> <p>CQCF - CONSTRUCTION SOLID</p> <p>CQFM - HARDNESS RATING 60,0 SHORE DUROMETER A NOMINAL</p> <p>CXCY - PART NAME ASSIGNED JOINT TRAPEZOIDALE</p>	UN	2,00	\$1.310,34

		<p>BY CONTROLLING AGENCY  MATT - MATERIAL  RUBBER BUTADIENE-  ACRYLONITRILE CLASS NBR  MDCL - MATERIAL  DOCUMENT NFL17-120B,  CLASSE 20, S-CLASSE A, CAT 6  NATIONAL SPEC SINGLE  AND CLASSIFICATION  MATERIAL RESPONSE  STYL - STYLE DESIGNATOR  CIRCULAR  ADDITIONAL INFORMATION:  technical drawing  (attachment U)</p>			
PG71200-2024-05189	5331-14-313-5503	<p>O-RING  NAME - ITEM NAME O-RING  ABJH - TEMP RATING M30,0  CELSIUS AND 120,0 CELSIUS  ADV N - CROSS-SECTIONAL  HEIGHT 5,33 MILLIMETERS  NOMINAL  ADYT - CENTER HOLE  DIAMETER 59,69  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  CONFORME AU STANDARD  DCN 5330BA QUALITE  AVIATION, EMBALLAGE  UNI-TAIRE, POCLETTE  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 V)</p>	UN	11,00	\$1.063,79

PG71200-2024-05192	5305-14-537-6729	<p>SCREW,CAP,HEXAGON HEAD  NAME - ITEM NAME  SCREW,CAP,HEXAGON HEAD  AAJF - THREAD DIRECTION  RIGHT-HAND  AASA - THREAD LENGTH 22,0  MILLIMETERS NOMINAL  AASB - FASTENER LENGTH  120,0 MILLIMETERS  NOMINAL  AASK - HEAD STYLE  HEXAGON  AASU - HEAD HEIGHT 5,3  MILLIMETERS NOMINAL  AATB - WIDTH BETWEEN  FLATS 13,0 MILLIMETERS  NOMINAL  ABQJ - POINT STYLE 26  AHYM - NOMINAL THREAD  DIAMETER 8,0 MILLIMETERS  CQBC - MINIMUM TENSILE  STRENGTH 800,0  MEGAPASCALS  CQHQ - MINIMUM YIELD  STRENGTH 600,0  MEGAPASCALS  CQQR - THREAD PITCH IN  MILLIMETERS 1,25  CQWR - EXTERNAL THREAD  TOLERANCE CLASS 6G  FEAT - SPECIAL FEATURES  ACIER INOX A FAIBLE TENEUR  EN CARBONE N'EXCEDANT  PAS 0,03%.  MATT - MATERIAL OVERALL  ACIER COMP A4L  SFTT - SURFACE TREATMENT  PASSIVATE  OVERALL  TEST - TEST DATA DOCUMENT  I9008 ISO 3506-1 STANDARD  (INCLUDES INDUSTRY OR  ASSOCIATION  STANDARDS, INDIVIDUAL  MANUFACTUREER  STANDARDS, ETC.).  THSD - THREAD SERIES  DESIGNATOR ISO M  UKAS - STRENGTH GRADE  DESIGNATION 80  ZZZW - DEPARTURE FROM</p>	UN	4,00	\$250,00
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		<b>CITED DOCUMENT MODIFIE PAR MATIERE ADDITIONAL INFORMATION: technical drawing (attachment X)</b>				
					Total	\$119.836,08

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 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: 01/2025

b) Date of approval of addition to the PAR: 14/01/2025

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 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.

### **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:

<b>Country of origin</b>	<b>FCA</b>	<b>FOB</b>
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.

## **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 119.836,08, 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 e UGE: 40015;
- b) Funding source: 3050000144;
- c) Work program: 236871;
- d) Item of expenditure: 339030;

e) Internal plan: P.3DR.RI.

## **11 - GENERAL INFORMATION**

11.1 - The information contained in this Terms of Reference is not classified as confidential.

Rio de janeiro, RJ, 25<sup>th</sup> September 2025.

SAINT-CLAIR DANTAS OLIVEIRA SANTOS  
Captain  
Submarine Project Management Chief of Department

LEANDRO BRILHANTE REGLY  
Lieutenant-Commander  
Fiscal Agent

LEANDRO JUSTINO DE ABREU  
Lieutenant-Commander  
Ship Manager

Approved by:

MARCELO ANTONIO ROCHA AFONSO  
Captain  
Expenditure Authorising Officer