

**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
PG71200-2024-02029	4130-14-603-3419	<p style="text-align: center;">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 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 A)</p>	UN	2,00	\$167,44
PG71200-2024-02039	5331-14-590-0870	<p style="text-align: center;">O-RING NAME - ITEM NAME O-RING ABHE - OUTSIDE DIAMETER</p>	UN	12,00	\$318,02

		<p>11,1 MILLIMETERS NOMINAL ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS ADVN - CROSS-SECTIONAL HEIGHT 1,8 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 7,5 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM CXCX - PART NAME ASSIGNED JOINT TORIQUE 7,50X1,80 20A8 CLASSES A-N STF 33-07-02/019E BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT NF L17-120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE ZZZK - SPECIFICATION/STANDARD DATA NSPA / LD PROGRAMME CLASSE DE PRECISION A - NF ISO 3601-1 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD AND CLASSE DE QUALITE N - ISO 3601-3 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD</p>			
PG71200-2024-02042	5310-14-442-4035	<p>NUT,STAMPED NAME - ITEM NAME NUT,STAMPED ACSZ - MATING MEMBER DIAMETER ACCOMMODATED</p>	UN	480,00	\$726,74

		<p>20,0 MILLIMETERS NOMINAL ACTA - NUT STYLE STAMPED ADEA - NUT HEIGHT 6,2 MILLIMETERS NOMINAL ADEH - GRIPPING NOTCH QUANTITY 6 ASDB - WIDTH ACROSS FLATS 30,0 MILLIMETERS NOMINAL MATT - MATERIAL OVERALL ACIER TRAITE RESSORT SFTT - SURFACE TREATMENT ZINC ADDITIONAL INFORMATION: technical drawing (attachment B)</p>			
PG71200-2024-02043	5342-14-582-1658	<p>ANODE,IMPRESSED CURRENT,CATHODIC PROTECTION CORROSION PREVENTION NAME - ITEM NAME ANODE,IMPRESSED CURRENT,CATHODIC PROTECTION CORROSION PREVENTION FEAT - SPECIAL FEATURES PROTECTION CATHODIQUE ½ " G POUR GENERATEUR ANR 54/45/4 (ARR 2) ADDITIONAL INFORMATION: technical drawing (attachment C)</p>	UN	8,00	\$10.065,12
PG71200-2024-02046	5331-14-594-8792	<p>O-RING NAME - ITEM NAME O-RING ABHE - OUTSIDE DIAMETER 340,0 MILLIMETERS NOMINAL ABJH - TEMP RATING M20,0 CELSIUS AND 230,0 CELSIUS ADVN - CROSS-SECTIONAL HEIGHT 5,0 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 330,0 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 76,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 85,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM</p>	UN	40,00	\$1.944,77

		<p>CXCY - PART NAME ASSIGNED JOINT TORIQUE 330,00X5,00 64C8 CLASSES B- N STF 33-07-02/050E BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL CAOUTCHOUC FLUOROCARBONE CLASSE FKM MDCL - MATERIAL DOCUMENT NF L17-164, CLASSE 64, S-CLASSE C, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE ZZZK - SPECIFICATION/STANDARD DATA CLASSE DE PRECISION B - NF ISO3601-1 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD AND CLASSE DE QUALITE N - ISO 3601-3 PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD</p>			
PG71200-2024-02048	5331-14-598-2874	<p>O-RING NAME - ITEM NAME O-RING AGAV - END ITEM IDENTIFICATION FILTRE NT 131042 305 - SOUS-MARIN TYPE BARRACUDA MATT - MATERIAL VITON ADDITIONAL INFORMATION: technical drawing (attachment D)</p>	UN	6,00	\$293,02
PG71200-2024-02051	5330-14-475-7205	<p>RETAINER,PACKING ADDITIONAL INFORMATION: technical drawing (attachment E)</p>	UN	5,00	\$130,81
PG71200-2024-02052	5331-14-590-0763	<p>O-RING NAME - ITEM NAME O-RING ABHE - OUTSIDE DIAMETER 15,9 MILLIMETERS NOMINAL ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS ADVN - CROSS-SECTIONAL</p>	UN	75,00	\$250,58

		<p>HEIGHT 2,7 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 10,5 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM CXCX - PART NAME ASSIGNED JOINT TORIQUE 10,50X2,70 20A8 CLASSES B- N STF 33-07-02/019E BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR MDCL - MATERIAL DOCUMENT NF L17-120, CLASSE 20, S-CLASSE A, CAT 8 NATIONAL STD SINGLE AND CLASSIFICATION MATERIAL RESPONSE ZZZK - SPECIFICATION/STANDARD DATA CLASSE DE PRECISION 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 F)</p>			
PG71200-2024-02054	5330-14-590-0640	<p>GASKET NAME - ITEM NAME GASKET AGAV - END ITEM IDENTIFICATION DETECTEUR DE NIVEAU A ULTRASONS SUR BRIDE ISO PN16 CXCX - PART NAME</p>	UN	12,00	\$209,30

		<p>ASSIGNED JOINT PLAT BY CONTROLLING AGENCY ADDITIONAL INFORMATION: technical drawing (attachment G)</p>			
PG71200-2024-02056	5331-14-602-4315	<p>O-RING NAME - ITEM NAME O-RING ABJH - TEMP RATING M30,0 CELSIUS AND 120,0 CELSIUS ADV N - CROSS-SECTIONAL HEIGHT 3,44 MILLIMETERS MINIMUM AND 3,62 MILLIMETERS MAXIMUM ADYT - CENTER HOLE DIAMETER 327,42 MILLIMETERS MINIMUM AND 332,16 MILLIMETERS MAXIMUM CQFM - HARDNESS RATING 73,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MINIMUM AND 82,0 INTERNATIONAL RUBBER HARDNESS DEGREE SCALE MAXIMUM FEAT - SPECIAL FEATURES SUIVANT REFERENCE SPECIFICATION TECHNIQUE STF NAVAL GROUP MATT - MATERIAL RUBBER FLUOROCARBON CLASS FPM ADDITIONAL INFORMATION: technical drawing (attachment H)</p>	UN	5,00	\$313,95
PG71200-2024-02057	5945-14-426-0808	<p>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</p>	UN	24,00	\$5.098,27

		<p>TYPE AND QUANTITY 2 BRACKET AND 2 UNTHREADED HOLE CRNG - NONPILE-UP MAIN CONTACT ARRANGEMENT 2 POLE, DOUBLE THROW, BOTH POSITIONS MAINTAINED CTDL - MAIN CONTACT LOAD CURRENT RATING AT MAXIMUM RATED VOLTAGE RESISTIVE LOAD 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 ALL FUNCTIONS 8 PIN</p>			
PG71200-2024-02059	5331-14-568-2209	<p>O-RING NAME - ITEM NAME O-RING ADVN - CROSS-SECTIONAL HEIGHT 1,78 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 26,7 MILLIMETERS NOMINAL CQFM - HARDNESS RATING 90,0 SHORE DUROMETER A NOMINAL CXCX - PART NAME ASSIGNED JOINT BY CONTROLLING AGENCY MATT - MATERIAL NSPA / LD PROGRAMME RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR ADDITIONAL INFORMATION: technical drawing (attachment I)</p>	UN	1,00	\$114,53
PG71200-2024-04201	5330-14-349-1149	<p>SEAL,PLAIN NAME - ITEM NAME SEAL,PLAIN ABVM - ACCOMMODATED SHAFT DIAMETER 3,0 MILLIMETERS NOMINAL ADUC - SEAL WIDTH 1,9</p>	UN	14,00	\$1.145,93

		<p>MILLIMETERS MAXIMUM CPCW - HOUSING BORE DIAMETER 17,5 MILLIMETERS NOMINAL CQCF - CONSTRUCTION TROIS ELEMENTS CXCX - PART NAME ASSIGNED BAGUE D'ETANCHEITE RUCH DN 10,20 SPECIAL MANOMETRE A JOINT BY CONTROLLING AGENCY TORIQUE USAGE GENERALE POUR TECHNOLOGIES INOX ET CUIVRE FEAT - SPECIAL FEATURES JOINT TORIQUE DIMENSIONS 8,9X1,9 (fr: Joint torique dimensions 8,9X1,9) MATT - MATERIAL PACKING RUBBER BUTADIENE- ACRYLONITRILE CLASS NBR MATT - MATERIAL INNER RING STEEL COMP Z2CN18- 10 MATT - MATERIAL OUTER RING ADDITIONAL INFORMATION: technical drawing (attachment J)</p>			
PG71200-2024-04578	4310-14-579-7019	<p>SEPARATOR,SLUDGE,COMPRES- SOR ADDITIONAL INFORMATION: technical drawing (attachment K)</p>	UN	10,00	\$10.802,33
PG71200-2024-04579	4310-14-586-2406	<p>PNEUMATIC MUFFLER,EXHAUST-INTAKE NAME - ITEM NAME PNEUMATIC MUFFLER,EXHAUST-INTAKE AGAV - END ITEM IDENTIFICATION TGM60/100 CXCX - PART NAME ASSIGNED SILENCIEUX / MUFFLER BY CONTROLLING AGENCY FEAT - SPECIAL FEATURES SEPARATEUR/SEPARATOR CSP 008 16 BAR RACCORD/COUPLING:FF 2 G ADDITIONAL INFORMATION:</p>	UN	4,00	\$3.784,00

		technical drawing (attachment L)			
PG71200-2024-04580	2940-12-366-3902	<p>FILTER ELEMENT,INTAKE AIR CLEANER NAME - ITEM NAME FILTER ELEMENT,INTAKE AIR CLEANER ABPM - BODY DIAMETER 100.0 MILLIMETERS NOMINAL ADAS - BODY INSIDE DIAMETER 67.0 MILLIMETERS NOMINAL APGF - DESIGN TYPE NONREUSABLE AZTL - BODY OVERALL LENGTH 79.0 MILLIMETERS NOMINAL CRXW - FILTERING MEDIA DESIGN SINGLE FILTERING MEDIA RESPONSE PLEATED FEAT - SPECIAL FEATURES MANN-LUFTFILTER MATT - MATERIAL FRAME PAPER STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER ADDITIONAL INFORMATION: technical drawing (attachment M)</p>	UN	6,00	\$301,33
PG71200-2024-04581	2940-14-565-5328	<p>FILTER BODY,FLUID NAME - ITEM NAME FILTER BODY,FLUID AAXX - MOUNTING TYPE HEAD THREADED HOLE SIDE ABTJ - MOUNTING HOLE QUANTITY 4 ADAU - BODY HEIGHT 26,0 INCHES NOMINAL ADML - MOUNTING FLANGE BOLT HOLE QUANTITY 4 AFQM - DISTANCE BETWEEN MOUNTING HOLE CENTERS 43,0 MILLIMETERS MINIMUM AND 77,8 MILLIMETERS MAXIMUM AKBN - MOUNTING FACILITY THREAD DIRECTION RIGHT-HAND</p>	UN	4,00	\$4.011,92

		<p>CSJC - MOUNTING FACILITY NOMINAL THREAD SIZE 12,0 MILLIMETERS CXZX - FILTERING SYSTEM FOR WHICH DESIGNED FULL FLOW MATT - MATERIAL BODY IRON CAST MATT - MATERIAL SEAL PLASTIC ACRYLONITRILE MATT - MATERIAL SEDIMENT BOWL STEEL MEDA - MEDIA FOR WHICH DESIGNED FUEL/OIL, HYDROCARBON STYL - STYLE DESIGNATOR 42 SUPP - SUPPLEMENTARY FEATURES TEMPERATURE DE SERVICE DU JOINT ENITRILE MOINS 43 PLUS 107 DEGRES. ADDITIONAL INFORMATION: technical drawing (attachment N)</p>			
PG71200-2024-04582	4330-14-595-9024	<p>FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID AZKQ - TEMP RATING M43,0 CELSIUS MINIMUM AND 120,0 CELSIUS MAXIMUM CRXW - FILTERING MEDIA DESIGN RADIAL FINNED CXCX - PART NAME ASSIGNED ELEMENT FILTRANT CORALON JOINTS NITRILE BY CONTROLLING AGENCY MATT - MATERIAL MEDIA FILTRANT PREMIUM SRT (STREET RESISTANT TECHNOLOGY) MEDA - MEDIA FOR WHICH DESIGNED HUILES MINERALES AND EMULSIONS EAU-GLYCOL ET EAU-HUILE AND FLUIDES A HAUTE TENEUR EN EAU STYL - STYLE DESIGNATOR CYLINDRICAL W/ CONTAINER (NON-RIGID)</p>	UN	1,00	\$329,07

		ADDITIONAL INFORMATION: technical drawing (attachment O)			
PG71200-2024-04583	4330-14-394-6054	<p>FILTER ELEMENT,FLUID NAME - ITEM NAME FILTER ELEMENT,FLUID ADNH - FILTRATION RATING IN 3,0 ABSOLUTE MICRONS ADNK - FLOW DIRECTION OUTSIDE IN ADNQ - DIFFERENTIAL PRESSURE 10,0 BAR APGF - DESIGN TYPE NONREUSABLE AZKQ - TEMP RATING M43,0 CELSIUS MINIMUM AND 107,0 CELSIUS MAXIMUM AZTL - BODY OVERALL LENGTH 13,0 INCHES NOMINAL CRXW - FILTERING MEDIA SPUN AND CORRUGATED DESIGN 1ST FILTERING MEDIA RESPONSE CRXW - FILTERING MEDIA SHEETING AND WOVEN DESIGN 2ND FILTERING MEDIA RESPONSE FEAT - SPECIAL FEATURES CONDITIONS PALL Y943(CONTROLE UNITAIRE POINT BULLE -JOINT CONDITIONNE SUIVANT NORMES NFL17-102,103 ; MARQUAGE DES NNO,DEFINITION EFFICACITE FILTRATION)- MATT - MATERIAL FRAME COUPELLE D'EXTREMITE ET NOYAU CENTRAL ACIER ANTI- CORROSION MATT - MATERIAL SCREENING MICROFIBRES INORGANIKES INERTES LIEES PAR RESINE EPOXYDE MEDA - MEDIA FOR WHICH DESIGNED FUEL/OIL, HYDROCARBON</p>	UN	1,00	\$615,12

		<p>STYL - STYLE DESIGNATOR CYLINDRICAL W/OUT CONTAINER ADDITIONAL INFORMATION: technical drawing (attachment P)</p>			
PG71200-2024-04584	5331-14-602-1827	<p>O-RING NAME - ITEM NAME O-RING CXCX - PART NAME ASSIGNED JOINT TORIQUE POUR LA CARTOUCHE BY CONTROLLING AGENCY ADDITIONAL INFORMATION: technical drawing (attachment Q)</p>	UN	4,00	\$227,91
PG71200-2024-04585	5331-14-563-0214	<p>O-RING NAME - ITEM NAME O-RING ADVX - CROSS-SECTIONAL HEIGHT 5,0 MILLIMETERS NOMINAL ADYT - CENTER HOLE DIAMETER 277,0 MILLIMETERS NOMINAL MATT - MATERIAL RUBBER FLUOROCARBON CLASS FPM ADDITIONAL INFORMATION: technical drawing (attachment R)</p>	UN	4,00	\$493,02
PG71200-2024-04586	5330-14-601-3088	<p>GASKET NAME - ITEM NAME GASKET ABKV - OUTSIDE DIAMETER 16,0 MILLIMETERS NOMINAL ABVL - APERTURE DIAMETER 10,0 MILLIMETERS NOMINAL ADVX - CROSS-SECTIONAL THICKNESS 2,0 MILLIMETERS NOMINAL AGAV - END ITEM IDENTIFICATION SEPARATOR FILTER - SOUS-MARIN TYPE BRESIL MATT - MATERIAL FIBER STYL - STYLE DESIGNATOR CIRCULAR ADDITIONAL INFORMATION: technical drawing (attachment S)</p>	UN	13,00	\$181,40
PG71200-2024-04587	5930-14-533-0653	<p>SWITCH,PUSH ADDITIONAL INFORMATION: technical drawing</p>	UN	6,00	\$17.536,94

		(attachment T)				
					Total	\$59.061,53

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:

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.

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 59.061,53, 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, 29th October 2025.

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

LEANDRO BRILHANTE REGLY
Lieutenant-Commander
Supply Advisor

LEANDRO JUSTINO DE ABREU
Lieutenant-Commander
Ship Manager

Approved by:

MARCELO ANTONIO ROCHA AFONSO
Captain
Expenditure Authorising Officer