



**MINISTRY OF DEFENSE  
BRAZILIAN NAVY  
RIO DE JANEIRO NAVY ARSENAL**

**ANNEX A**

**TERM OF REFERENCE**

**ONLINE REVERSE BID AUCTION**

**BID PROCESS N° 09/2023**

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**PROCESS N° (NUP): 63014.011340/2023-21**

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**TERM OF REFERENCE**  
**BID PROCESS N° 09/2023**  
**ONLINE REVERSE BID AUCTION**

**1. OBJECT**

1.1 Acquisition of flat aluminum sheets according to ASTM B209 5083 H116 alloy, checkered (tread) aluminum sheets according to ASTM B209 5754 H114 alloy, and aluminum profiles according to ASTM B221 6082 T6 alloy, under the terms of the table below, following the conditions and requirements established this Term.

ITEM	SPECIFICATION	SIZE	REFERENCE	UNIT OF SUPPLY	QUANTITY
1	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 2mm.	608565 / 7606.12.90	UN	8
2	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 3,17mm.	608566/7606.12.90	UN	80
3	Marine Aluminum Checker (Tread) Plate according to ASTM B209 5754 H114.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness 3,17mm.	608608/7606.12.90	UN	52
4	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness 4,75mm.	608567/7606.12.90	UN	40
5	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness 6,35mm.	608568/7606.12.90	UN	90
6	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 7,93mm.	608569/7606.12.90	UN	8
7	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 9,52mm.	608570/7606.12.90	UN	24
8	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness 12,7mm.	608571/7606.12.90	UN	8
9	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 38,1mm.	608572/7606.12.90	UN	1

10	Marine aluminum plate according to ASTM B209 5083 H116.	Supply: Plate; Width: 2000mm; Length: 3000mm; Thickness: 50,8mm.	608573/7606.12.90	UN	2
11	Aluminum cold rolled (drawn) angle bar according to ASTM B221 6082 T6	Supply: L angle bar; Equal legs: 50,8mm; Thickness: 4,75mm; Length: 6m.	608585/7604.29.20	UN	12
12	Aluminum drawn angle bar according to ASTM B221 6082 T6	Supply: L angle bar; Unequal legs: 76,2 X 50,8mm; Thickness: 4,75mm; Length: 6m.	608587/7604.29.20	UN	8
13	Aluminum cold rolled (drawn) angle bar according to ASTM B221 6082 T6	Supply: L angle bar; Unequal legs: 76,2 X 50,8mm; Thickness: 4,75mm; Length: 6m.	608589/7604.29.20	UN	4
14	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: Seamless pipe; Diameter: 50,8mm; Thickness: 4,75mm; Length: 6m.	608592/7604.29.20	UN	4
15	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: Seamless pipe; Diameter: 70mm; Thickness: 3,17mm; Length: 6m.	608593/7604.29.20	UN	4
16	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: Circular straight-section bar; Diameter: 25,4mm; Length: 6m.	608598/7604.29.20	UN	4
17	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: L angle bar; Unequal legs: 50,8mm x 38,1mm; Thickness: 4,75mm; Length: 6m.	608588/7604.29.20	UN	4
18	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: Seamless pipe; Diameter: 60,33mm; Thickness: 5,54mm; Length: 6m.	608594/7604.29.20	UN	4
19	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: Seamless pipe; Diameter: 34,92mm; Thickness: 3,17mm; Length: 6m.	608596/7604.29.20	UN	4
20	Aluminum cold rolled (drawn) bar according to ASTM B221 6082 T6	Supply: L angle bar; Equal legs: 38,1mm; Thickness: 3,17mm; Length: 6m.	608586/7604.29.20	UN	4

1.2 The object presented are characterized as common since they have performance and quality standards that can be objectively defined through a public instrument, through specifications that are typical in the market.

1.3 In case of divergence between the descriptions and specifications in the material catalog and this Terms of Reference, the latter shall prevail.

1.4 The object presented does not qualify as a luxury good, according to Decree n° 10,818 of September 27, 2021.

1.5 The Contract's validity is **150 (one hundred and fifty) days** from his signature.

## 2. LEGAL GROUNDS AND DESCRIPTION OF THE NECESSITY

2.1 Reason for the need for the acquisition:

2.2 The Rio de Janeiro Navy Arsenal (AMRJ) is a Military Organization that provides industrial services that meet the repair and construction needs of the Brazilian Navy (BN) naval assets. To maintain its core activity, AMRJ needs to have the materials, equipment, and inputs necessary for the construction of vessels. The acquisition of the aluminum sheets mentioned above and profiles provides part of the set of materials used by the naval construction management responsible for the construction of Brazilian Navy vessels to continue the process of building high-speed interception boats.

## 3. HIRING REQUIREMENTS

### Sustainability

3.1 This acquisition must be informed by the criteria of environmental sustainability, based on Law n° 12.187/2009, combined with the international commitments assumed by the Brazilian government, so that the winner of the bid, if possible, prioritizes recycled and recyclable products compatible with standards of socially and environmentally sustainable consumption.

### Subcontracting

3.2 Subcontracting of the object is not authorized.

### Hiring guarantee

3.3 There is no requirement for a Contract guarantee.

## 4. DELIVERY CONDITIONS

4.1 The delivery of the material must include transporting the items directly to Brazil within a maximum period of **60 (sixty) days** after signing the Contract.