



Expression of Interest

Metallic Pipe & Fittings - FOC

Hunter Class Frigate Program

BAE SYSTEMS

Maritime Australia

Acronyms and Definitions

Abbreviation	Definition
AIC	Australian Industry Capability
ASCS	ASC Shipbuilding
AUD	Australian Dollars
BAE	BAE Systems Maritime Australia
EOI	Expressions Of Interest
FOC	First of Class (Ship 1)
GCS-A	Global Combat Ship-Australia
HCFP	Hunter Class Frigate Program
NATA	National Association of Testing Authorities
OQE	Objective Quality Evidence
RAN	Royal Australian Navy
RAP	Reconciliation Action Plan
T26	British Type 26 Global Combat Ship

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1. INTRODUCTION

BAE Systems Maritime Australia are seeking Expressions of Interest (EOI) to supply Metallic Pipe and Fittings for the Hunter Class Frigate Program (HCFP).

BAE Systems Maritime Australia has been contracted to design and build nine future frigates for the Royal Australian Navy (RAN) known as the Hunter Class GCS-A (Global Combat Ship – Australia) which is a variant of the British Type 26 GCS (T26).

The Hunter Class Frigates will be built at the BAE Systems Maritime Australia Facility in Osborne, South Australia. The program mandates maximisation of Australian content.

Cut Steel for Prototyping took place in December 2020, First of Class is due to commence in Q4 2022.

A Request for Tender (RFT) will be sent to down selected parties that have expressed interest closer to this time.

2. SCOPE

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners to BAE Systems Maritime Australia for the Hunter Class Frigate Program (HCFP).

The HCFP will require maximisation of local content in Australia. Suppliers will be required to supply Metallic Pipe & Fittings manufactured in accordance with the applicable requirements of Lloyds Register Rules and Regulations for the Classification of Naval Ships.

Which will include but not limited to:

- Mechanical Compression Couplings
- Swage-type pipe fittings
- Pipe Couplings axial grip type
- Push fit pipe work

3. MATERIALS

Approx 50,000 mtrs of pipe required per Ship

- 20,000 mtrs of CuNi
- 10,000 mtrs of Carbon Steel
- 20,000 mtrs of Stainless Steel

Approx. 60,000 individual couplings & fittings required per Ship various material specifications, sizing's and grades.

The following are the main types of pipe that shall be required:

- 16 bar Seamless 90/10 Cu-Ni
- 16Bar Cu Pipe
- 16/33 Bar Carbon Steel Pipes
- Heavy Duty Seamless Carbon Steel Pipes
- Extra Heavy Duty Seamless Carbon Steel Pipes
- Carbon Steel Sea Tubes LR3.2
- 16 Bar Seamless Stainless Steel Pipes LR3.2
- 16 Bar Seamless Stainless Steel UREA Grade Pipes LR3.2
- High Pressure Seamless Stainless Steel Pipes LR3.2

The following are the main type of pipe fittings that shall be required:

- 16 bar Seamless 90/10 Copper Nickel Butt Welded Fittings;
- 16/33 Bar Seamless Carbon Steel Butt Welded Fittings;
- Heavy Duty Carbon Steel Butt Welded Fittings;
- Extra Heavy Duty Carbon Steel Butt Welded Fittings;
- 16 Bar Seamless Stainless Steel Butt Welded Fittings;
- Socket Weld & Threaded Type Couplings;
- 90/10 Copper Nickel and 16 Bar SS Socket Welded Fittings;
- 90° Flared Flanges.

***N.B** LR3.2 Shock and Vibration requirements may apply.

The Specified Pipework shall be manufactured in accordance with the applicable requirements of Lloyds Register Rules and Regulations for the Classification of Naval Ships (S1) for design, functional and operation performance, type approval, including construction under survey, unless otherwise stated.

4. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)

1. Does your website provide a detailed description of your Company's capability? If yes, provide the appropriate link.
2. Are you an Australian registered company? If yes, provide your ABN details.
3. Are you an Indigenous company and registered with Supply Nation? If yes, provide a link to your profile on the Supply Nation Website or other supporting evidence.
4. Do you have a Reconciliation Action Plan (RAP) in place? If yes, please attach evidence.
5. How many Indigenous/Aboriginal/Torres Strait Islanders are employed within your organisation? Stipulate whether the employees are Full Time or Part Time.
6. Provide details of the company's management organisation structure and full time headcount. Attach evidence/organisation structure.

7. State level of Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
8. Please state what quality certification and accreditations you hold? Please attach evidence.
9. Do you hold Defence Industry Security Program (DISP) Membership? If yes, please state what membership level you hold. Refer to the [DISP Webpage](#) on information regarding DISP Membership and how to apply. DISP membership is a requirement for all contracts
10. On Time Delivery – Are you able to consistently provide on time guarantee service to agreed time frames?
How do you self-evaluate and analyse your performance? Please provide any data / reports you have examples of?

5. PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)

1. Provide full details including value and location of previous major defence, maritime or commercial projects in which your company has delivered Metallic Pipe & Fittings?
2. Do you have capability to manufacture Pipe & Fittings locally in Australia? Or will you need to subcontract portions of the work? If so, please provide details of your capability and on any outsourced components.
3. Provide details of how your company can support BAE Systems Maritime Australia's commitment to support AIC.

Detail if the labour to complete the SOW will be provided by Australian permanent residents.
4. Do you have access / subscription to all Standards? (Australian, European, British and DEF Standards).
5. Have you had experience with providing Vibration and SHOCK testing of materials or equipment certification? Please provide evidence.
6. Does your organisation have an understanding and ability to test in accordance with Lloyd's Registers rules for surface ships? If yes; please provide evidence.
7. Do you have a clear understanding of the requirements for providing Objective Quality Evidence documentation? Please provide examples of experience.
8. Stipulate any further competitive discriminators currently not identified.

Closing date for Expression of Interest:
28th June 2021