

## **Request for Expression of Interest:**

*Shaft Bracket ("A"- Bracket) Manufacture and Supply*

### **Hunter Class Frigate Program**

#### **Including:**

- Equipment Requirements
- Required Supplier Capabilities
- Information for Inclusion in the EOI
- Closing Date
- Additional Information and Contact Details

## Acronyms and Abbreviations

Acronym	Description
ABN	Australian Business Number
ANZSIC	Australian and New Zealand Standard Industrial Classification
COTS	Commercial Off The Shelf
EOI	Expression of Interest
HCFP	Hunter Class Frigate Program
ICN	Industry Capability Network
ISO	International Organisation for Standardisation
OEM	Original Equipment Manufacturer
T26	Type 26 Global Combat Ship

## Definitions List

Term	Definition
HCFP	Hunter Class Frigate Program
AIC	Australian Industry Capability
ICN	Industry Capability Network
ANZSIC	Australian and New Zealand Standard Industrial Classification

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## 1 PREFACE

BAE Systems Australia Limited/ASC Shipbuilding Pty Ltd are seeking Expressions of Interest (EOI) in order to determine the capability of Australian industry to potentially manufacture and to supply Main Shaft Bracket for ship propulsion shafts on the Hunter Class Frigate Program (HCFP).

BAE Systems Australia Limited/ASC Shipbuilding Pty Ltd is committed to supporting Australian Industry and increasing its capability to support the HCFP.

## 2 EQUIPMENT REQUIREMENTS

The purpose of the EOI is to establish if Australian industry has the capability to manufacture, test and machine the required castings and associated moulds to the required specifications (including Lloyd's rules). Along with applying appropriate and suitable processes to manufacture the Main Shaft Bracket as complete, ready to be installed into the HCFP.

The purpose of the Main Shaft Bracket is to support the propeller shaft and the propeller whilst maintaining alignment.

The HCFP will need 18 Main Shaft Brackets over the term of the contract, therefore this EOI is looking for opportunities for a long term collaboration to produce large castings for Australian shipbuilding and where required increasing industry capability.

### Equipment Details:

- Each ship consists of two off Main Shaft-Brackets (one Port and one Starboard handed, but symmetrically opposite).
- Each Main Shaft Bracket is of the 'A' bracket style, consisting of one barrel, one inboard arm and one outboard arm and **may be cast in up to three pieces** from steel to suit the requirements and in order to reduce pit size requirements.
- Weight – approx. 27 Tonnes
- Size – approx. 2.5x3.8x5.6m
- Material – Steel Casting to meet Lloyd Regulations for use in Naval ship (weldable grade steel >400MPa - TBC)
- BAE Systems Australia Limited/ASC Shipbuilding Pty Ltd will provide a 3D Foran model to the Contractor, in addition to 2D scale drawings. The Contractor will provide any patterns necessary..
- The visualisation of the Main Shaft Bracket is shown in the below sketch:



### 3 REQUIRED SUPPLIER CAPABILITIES

The capability sought is to ensure the “A”- Brackets manufactured meet all of the requirements of the HCFP. The equipment needs to have internationally recognized certification, enabling potential future export to UK, EU and Canada.

Expected supplier capabilities include but are not limited to:

- ISO 9001:2015 Approved;
- Experience and capability in the design, manufacture, testing and assembly of mouldings for large castings;
- Experience in the manufacture, testing and machining of large casting structures;
- Experience of sourcing certified raw material used in casting;
- Previous experience and application of Lloyds Register Rules and Regulations for the Classification of Naval Ships and Lloyds Register Rules for the manufacture, Testing and Certification of Materials; and
- Documented material control and traceability procedures for in-house and sub-supplier manufacture.

### 4 INFORMATION FOR INCLUSION IN THE EOI

The information you provide in your EOI will be used to establish the feasibility of prospective industrial collaborators to potentially manufacture equipment and components for the HCFP. Following a review of the information provided in the EOI, shortlisted organisations may be invited to provide a response to a Request for Proposal.

The other purpose is for BAE Systems/ASC Shipbuilding Pty Ltd to identify and develop AIC investment proposals that are in conjunction with the Commonwealth's strategic priorities.

For the EOI to be considered complete, the following information must be provided:

1. A full statement expressing interest and confirmation that your organisation can meet or exceed the Requirements and Required Supplier Capabilities. If there is a shortfall, please clearly articulate what the shortfall is and what action your organisation intends to take and the timeframe for that action;
2. Full details of previous major defence, maritime or commercial projects in which your company has delivered castings;
3. Previous experience and track record in supplying castings;
4. Examples of large castings produced in your facility; including size ,weight and composition;
5. Examples of the testing performed on the castings produced and the testing experience and capability in your facility
6. Evidence on how you maintain material traceability in your facility from raw product to finished product.
7. Evidence on how you obtain raw material and how you ensure the integrity of the raw material.
8. Experience and application of Lloyds Register Rules and Regulations for the Classification of Naval Ships;
9. Confirmation of the size of castings your current facility can produce;
10. Examples of moulds for large castings produced and used in your facility;
11. Areas where enhancements are needed to enable you to produce castings of the size identified;
12. Current locations of factories and capabilities;
13. Details of previous defence contracts you have worked on;
14. Details of your company's management organisation structure and ownership;
15. If you an Australian-owned company, please confirm;
16. If you are an Indigenous company, please advise; An indigenous company is a business that is at least 51% owned, managed, and controlled by Indigenous people or a business that is 50% minimum Indigenous Ownership.
17. The number of Indigenous/Aboriginal/Torres Strait Islander employees your organisation has. (Stipulate Full Time and Part Time);
18. Any evidence of state acquired company certification and accreditations.
19. Any further competitive discriminators that have not been identified in the answers to previous questions; and
20. Evidence you have quality system accreditation under ISO 9001:2015.

Please ensure you updated your ICN company profile with the your trading name, contact details, website, ABN, number of employees, annual turnover, export details (if applicable) and ANZSIC codes. This information may be used in assessing this EOI.

## **5 CLOSING DATE FOR EOI RESPONSES**

The closing time of this EOI is at midnight (Australian Central Standard Daylight Saving Time) on 1st November 2020

## 6 ADDITIONAL INFORMATION AND CONTACT DETAILS

For any additional information please contact:

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