

Expression of Interest (EOI):

PROVISION OF SERVICES for ELECTRICAL CABLE REEVING AND ASSOCIATED WORKS

Hunter Class Frigate Program (HCFP)

INCLUDES:

- Pre-qualification Requirements;
- Scope of Work (High Level); and
- Capability Questionnaire.



Acronyms and Definitions

AIC	Australian Industry Capability
AUD	Australian Dollars
BAE	BAE Systems Australia Limited
CDRL	Contract Data Requirement List
D&P	Design and Productionisation
DISP	Defence Industry Security Program
EOI	Expressions Of Interest
EVMS	Earned Value Management Systems
FOC	First of Class
GCS-A	Global Combat Ship-Australia
HCFP	Hunter Class Frigate Program
ILS	Integrated Logistic Support
OQE	Objective Quality Evidence
RAN	Royal Australian Navy
RAP	Reconciliation Action Plan
SHE	Safety, Health and Environment
SOW	Scope of Work
T26	British Type 26 Global Combat Ship



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1. PREFACE

ASC Shipbuilding are seeking Expressions of Interest (EOI) for the Provision of Services for Electrical Cable Reeving and Associated Works to support the Hunter Class Frigate Program (HCFP).

ASC Shipbuilding has been contracted to design and build the Royal Australian Navy's (RAN) future frigates.

The ASC Shipbuilding's Future Frigate offering, also known as the Hunter Class GCS-A (Global Combat Ship – Australia) is a variant of the British Type 26 GCS (T26).

Nine Hunter Class Frigates will be built at the ASC Shipbuilding Facility at the Osborne Naval Shipyard, Adelaide, SA.

The Hunter Class Program will require maximisation of local content in Australia.

Prior to commencing First of Class (FOC) in December 2022, ASC Shipbuilding will be undertaking a period of prototyping at Osborne, scheduled to commence in December 2020. This will involve building five blocks of increasing complexity within the ship design to test shipbuilding processes and systems.

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners for the provision of services described in this document to ASC Shipbuilding across the HCFP in support of the Prototyping Design and Productionisation (D&P) phase and FOC. The information you provide within your EOI will be used to down select contractors to receive a formal Request for Tender.

2. PRE-QUALIFICATION REQUIREMENTS

Prospective contractors wishing to submit a response to ASC Shipbuilding's EOI are required to comply with the following to be considered compliant.

1. Acknowledgement in writing that the information contained in the EOI documentation is proprietary to ASC Shipbuilding and is made available for the recipient on the express understanding that it is to be treated as confidential for information purposes only and that it may not be copied, used or disclosed to others in whole or in part for any purpose except as authorised in writing by BAE Systems.
2. Download and update as applicable the highlighted areas of ASC Shipbuilding Non-Disclosure Agreement (NDA). Contactors are required to provide a signed PDF copy of the completed NDA along with written confirmation that all clauses have been agreed in full. Any clauses not agreed in full are required to be confirmed in writing and submitted as part of the EOI response.



HCFP Template NDA
- General.doc

3. Review and understand the requirements of the ASC Shipbuilding Pty Limited Supplier Qualification Assurance Manual available online via the following link: <https://www.baesystems.com/en-aus/our-company/about-us/our-suppliers>, that can be downloaded from this link: <https://www.baesystems.com/en-aus/download-en-aus/20200710045553/1434643403408.pdf>



3. SCOPE OF WORK (High Level)

Contractors wishing to submit an Expression of Interest (EOI) for the Provision of Services for Electrical Cable Reeving and Associated Works may be required to support both Prototyping and First of Class by being solely responsible for ensuring that the installation complies with HCFP design specifications.

The current Prototyping design requires the installation of a range of electrical cables to demonstrate all processes associated with this works package, including associated components. Electrical Services works package will consist of, but not limited to:

- electrical cables installation;
- cable trays installation, including supports;
- electrical cables banding;
- electrical cables penetrations packing.

Indicative quantities for Prototyping are as follows:

- length of electrical cables – approx. 13,000 meters;
- number of electrical penetrations to be packed – approx. 250;
- length of cable trays, baskets and the like – approx. 2,400 meters;
- length of cable ladders – approx. 700 meters.

Contractors will be responsible for delivering as per Contract Data Requirements List (CDRL) and Objective Quality Evidence (OQE) for material installed.

ASC Shipbuilding will require the successful contractor to be an active participant of a fully integrated team working together to deliver all aspects of the SOW while managing priorities with other onsite trades. A cohesive working team is essential to ensure all shipyard activities are coordinated to ensure schedules and milestones are maintained, avoid delays or unnecessary conflicts to work zones or rework to open or completed areas across the ship. In addition ASC Shipbuilding will require collaborative engagement with the electrical contractor working together to identifying potential product improvements in support of maximising AIC without impacting on detailed design requirements.

Core activities of the contractor undertaking the services will be:

- Day to day planning of activities in accordance with an agreed schedule;
- Management and accountability of a suitably qualified team including but not limited to:
 - Project Managers;
 - Schedulers / Planners;
 - Quality Assurance and Quality Control;
 - Safety & Environmental Representatives;
 - Supervision;
 - Qualified Tradespeople.



- Ability to work closely with others to ensure compartments are completed in accordance with the integrated schedule and specification;
- Compliance with and a thorough understanding of Lloyd’s Registers Rules, Australian and UK Defence Standards for the marine environment;
- Care and protection of completed areas on-board the ship.

Contractors will be required to satisfy and comply with ASC Shipbuilding processes and procedures whilst onsite along with maintaining adherence to site, state and Commonwealth SHE standards and legislation. This includes registering all material in ASC Shipbuilding’s ChemAlert system providing copies of compliant Safety Data Sheets or any other required documentation.

Earned Value Management reporting will be a key requirement for contractors to complete. A sound knowledge and understanding of this reporting mechanism is essential with the data to be provided by the contractor having a direct link into overall HCFP reports which will be issued to and reviewed by ASC Shipbuilding’s end customer.

Contractors will be responsible for the creation and adherence to a detailed schedule / programme which will be embedded as part of the overall HCFP schedule. The schedule will be tracked and provide confidence to ASC Shipbuilding and the end customer that the contractor will meet its requirements for labour resources to complete the work scope.

ASC Shipbuilding and the Commonwealth of Australia is committed to maximising Australian Industry Capability as part of the Project. The successful contractor will be required to provide a detailed plan for how they intend to support this requirement across the work scope.

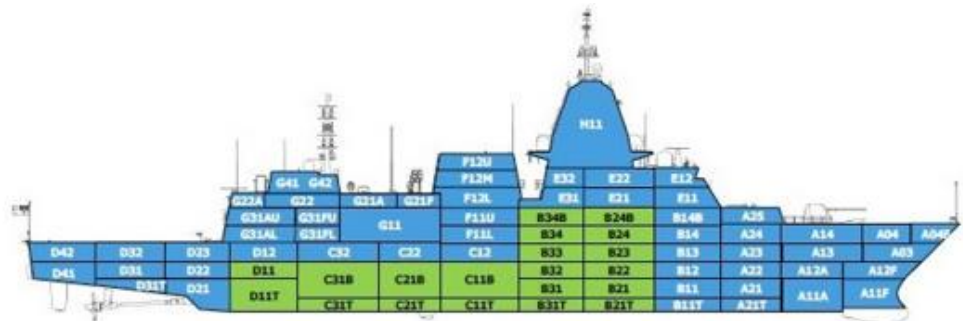


Figure 1. Hunter Class Frigate Diagram

4. DESIGN AND PRODUCTIONISATION STAGE – PROTOTYPING

ASC Shipbuilding plan to establish, deliver and integrate the products, processes and enabling services needed to achieve Prototyping activities, and to fulfil the outcomes of the Hunter Class Frigate Program prior to commencing the full shipbuilding construction project.

The Prototyping phase of this program will be an integral part enabling the delivery of the Hunter Class Frigates. During the Prototyping phase, ASC Shipbuilding will be building five blocks which increase in complexity to ensure the culmination of systems, processes and production proficiency establishes quality products before FOC commences in December 2022.

ASC Shipbuilding has selected the following blocks to test the prototyping process:



Blocks: 10, 16, 03, 04 and 05.



Figure 2. Prototyping Blocks Diagram

The strategy of Prototyping is to progressively establish, install and test the production system, develop the facilities, workforce, processes and systems, in order to provide confidence that the whole enterprise is ready to commence Ship Construction and de-risk the HCFP.

In support of this, ASC Shipbuilding has identified a requirement to undertake a sample of the electrical services work scope in Blocks 10 and 16. No electrical services are to be installed in BL03, BL04 or BL05.

The scope will not include any hot works which will be previously installed by ASC Shipbuilding.

All requirements of the high level scope of work detailed in Section 3 are considered to be applicable and to be provided / adhered to by potential contractors when delivering the prototyping scope. ASC Shipbuilding will provide further detail of the demarcation of responsibilities for the prototyping scope of work to those companies down selected to participate in the RFT process.



Figure 3. The Osborne Naval Shipyard

5. CAPABILITY QUESTIONNAIRE

1. Are you a 100% Australian Owned company? ABN details to be provided. Ownership structure to be provided including overseas interests.
2. Will your company require engaging in any joint ventures or alternative contracting models to complete the SOW? Details to be provided.
3. Are you an Indigenous company?



4. Do you have a Reconciliation Action Plan (RAP) in place?
5. Provide details of the company's management organisation structure along with providing a proposed organisation structure that would be utilised to support your offering to complete the SOW.
6. How many full time (permanent) employees does your company currently employ? Please provide a location and qualification breakdown for your workforce.
7. Do you have a full time project co-ordinator and a detailed planner/scheduler currently working in your organisation and are they available to be imbedded into the integrated work team located at Osborne full time?
8. Provide details on the number of certified Project Managers, Schedulers, Planners, SHE representatives, Quality representatives, Supervisors and Tradespeople within your organisation including qualifications and years of experience working on marine and defence projects.
9. How many of these employees hold a current Australian security clearance and to what level? Please specify details.
10. Please provide details on the number of Indigenous/Aboriginal/Torres Islander employees within your organisation? (Stipulate whether employees are Full Time or Part Time)
11. Provide full details including value and location of previous major defence, maritime or commercial projects where your company has completed similar work scope to that described in this EOI. A detailed overview of each project is required.
12. Stipulate all current and future projects that your company has any involvement in until 2026.
13. Provide annual turnover in AUD.
14. State Professional Indemnity, Product and Public Liability Insurance coverage. Copies of certificates to be provided.
15. State Marine Liability and Marine Products liability insurance or advise if included as part of above policies. Copies of certificates to be provided.
16. State and provided copies of acquired company certification and accreditation.
17. Do you hold a current DISP membership? Confirm level of membership and years held or the status of any application. Note – DISP membership may become a prerequisite for future RFT's. All companies are expected to have (at least) commenced their DISP membership application if they expect to move forward to be considered for the RFT.
18. Confirm that your organisation has the capability and a clear understanding of the complexities of the High Level SOW provided in the Expression of Interest advising any areas of non-compliance.
19. Do you have a clear understanding of the requirements for providing CRDLs, ILS and OQE documentation? Please provide examples of experience.
20. Provide details of how your company can support ASC Shipbuilding's commitment to AIC. Confirm that all labour to complete the planned SOW will be provided by Australian permanent residents. Detail any areas based on your knowledge and previous experience with similar work scopes where you see that ASC Shipbuilding could potentially look to maximise its AIC opportunities.



21. Provide details of previous projects your company has completed Earned Value Management reporting.
22. Provide details of three separate references for your company from previous Marine projects preferably from the defence sector.
23. Stipulate any further competitive discriminators currently not identified including how your organisation would collaborate as a team sharing data, schedules and resources if required to ensure best for program outcomes are achieved.

Closing date for expression of interest:

4.00PM ACDT on 27th November 2020

