



Expression of Interest

Commissariat, NAAFI and Laundry Equipment

Hunter Class Frigate Program

BAE SYSTEMS

Maritime Australia

Acronyms and Definitions

Abbreviation	Definition
AIC	Australian Industry Capability
AUD	Australian Dollars
BAEMA	BAE Systems Maritime Australia
EOI	Expressions Of Interest
GCS-A	Global Combat Ship-Australia
HCFP	Hunter Class Frigate Program
NAAFI	Naval Army Air Force Institute
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 is seeking Expressions of Interest (EOI) to design, manufacture, supply and install commissariat, NAAFI and laundry equipment for the Hunter Class Frigate Program (HCFP).

BAE Systems Maritime Australia has been selected as the preferred tenderer to design and build nine future frigates for the Royal Australian Navy (RAN). The BAE Systems 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).

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

Cut steel for First of Class is planned for December 2022. This EOI is for the design, manufacture, supply and installation of commissariat, NAAFI and laundry equipment. A Request for Tender (RFT) may be sent to down selected parties that have expressed interest closer to this time.

2. SCOPE

The purpose of the Expression of Interest is to establish the feasibility of prospective industrial partners to design, manufacture, supply and install commissariat, NAAFI and laundry equipment to BAE Systems Maritime Australia for the HCFP.

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

3. EQUIPMENT SCOPE OF SUPPLY

3.1 EQUIPMENT PURPOSE

- The commissariat equipment is to provide all the catering facilities necessary for the preparation and cooking of 4 meals per day, under hygienic conditions, for 208 persons;
- The NAAFI equipment shall provide basic facilities for the storage and sale of NAAFI merchandise for a ships total complement of 208;
- The laundry equipment shall be capable of providing laundering arrangements (washing, drying and finishing) for a ships total complement of 208;

3.2 GENERAL REQUIREMENTS

The following requirements apply to all commissariat, NAAFI and laundry equipment:

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- To facilitate installation and shipping on-board the vessel through narrow or difficult shipping routes, where indicated on the Purchaser guidance drawings, larger fabrications shall be subdivided by design and construction into smaller modules. For example a large workbench unit could comprise a separate worktop and separate cupboards below, potentially with removable splashbacks;
- All drawings shall be delivered as required by the programme to support Purchaser modelling activities;
- The Contractor shall deliver documentation of the exact modifications undertaken to make commercial off the shelf items suitable for use on-board ships;
- The supplier shall provide full drawings detailing the mounting system to be supplied which shall include recommendations for shipbuilder provided steel welded supports to the ships structure;
- Unless specified otherwise, the equipment and fittings will generally be in compliance with the applicable Naval Engineering Specifications;
- All of the equipment items supplied shall be of the latest specification and design;
- Equipment will be supplied with all fixtures and fittings so that the item can be fastened to the ship's structure and where applicable to adjacent equipment;
- Where the design permits, all freestanding Commissariat equipment shall be supplied with bolted feet;
- If any electrically powered machines supplied require an external control box with specialist on/off/control or related indication function unique to that machine, then the Contractor shall provide the appropriate external control box and the wiring between the machine and control box;
- Equipment will be supplied with all flexible hoses required to connect to the ship's systems, proposed hose materials and end fittings are to be advised and shall meet all required material safety requirements;
- All mixing machines, food processors & cutting machines shall be supplied with a standard outfit of cutters and mixing fittings available for the equipment, unless stated otherwise in the scope of supply;

3.3 MATERIALS & CONSTRUCTION

- Stainless steel grade requirements shall be used for all the furniture surfaces and supporting framework. (unless stated otherwise on drawings);

- Cupboards, partitions, lockers, benches and any other items shall be manufactured from stainless steel grade requirements;
- Excluding cupboards, partitions and lockers, all other furniture including canopies and extractor hoods shall be manufactured from stainless steel grade requirements;
- Materials shall be selected with a proven track record of having high resistance to corrosion for both the Laundry & Commissariat system;
- All materials deemed new to RAN service must be fire tested to the requirements of DEF Standards;
- Aluminium used in furniture construction shall be in accordance with specific Engineering Standard requirements;
- All exposed edges of sheet steel shall be doubled over to remove sharp edges and prevent hand cuts and injury;
- All fabrications shall be constructed with a view to eliminating all dirt traps;
- Fabrications with unstiffened sheet panels larger than the specification requirements shall be fitted with low profile easy clean stiffeners inside the unit to prevent panel 'drumming' and vibrating due to external ship environmental causes.

3.4 TRANSVERSE REQUIREMENTS

Transverse requirements are requirements that have been derived from analysis of the whole Ship, as opposed to the equipment specific requirements. They may include operating environment conditions, noise and vibration, shock, signatures, materials, EMC, supportability, production and other transverse issues.

The commissariat, NAAFI & laundry equipment, including any ancillary machinery hard mounted to it, with all items running simultaneously and treated as a whole structural materials for equipment must meet functional and performance requirements. These requirements may include, but not be limited to:

- Health and Safety Regulations
- Environmental conditions
- Noise and vibration
- Shock
- Supportability

3.5 COMMISSARIAT EQUIPMENT

All commissariat equipment shall be of a robust nature and suitable for a commercial catering environment.

Commissariat equipment context:

- The galley complex is designed to allow a natural flow of work through the compartment.
- The food preparation and cooking processes will be within a single complex that comprises of the following:
 - Dry preparation area;
 - Vegetable preparation area;
 - Meat preparation area;
 - Main cooking area;
 - Utensil wash and garbage disposal area.

It is anticipated that most of the catering services will be located within the galley complex.

The rest of the catering equipment will be located in other non-commissariat compartments around the ship.

It is anticipated that the commissariat catering equipment will be arranged within the defined compartments and in accordance to drawings.

Indicative commissariat equipment includes:

DESCRIPTION
Combination Steam Oven
Tilting Kettle 60 Litre
Bratt Pan
Deep Fat Fryer
Water Boiler 5 Litre
Water Boiler 40 Litres
Mixing Machine 40 Litres
Vegetable Preparation Machine
Food Processer Machine 5.5 Litre
Gravity Feed Slicer (non-domestic)
Potato Peeler 12.7kg capacity
S/S Stackable Potato Container

DESCRIPTION
Hot plate Range with a Grill below
Bench Mounted Single Hotplate
Full Height Blast Chiller/Refrigerator Unit
Full Height Ready Use Freezer
Full Height Ready Use Fridge
Under-counter Ready Use Fridge
Full Height Meat Thawing Cabinet
Refrigerator 5 cuft LH
Under-counter Freezer
SR Refrigerated Display Counter unit
100 Can Refrigerated Cabinet LH
200 Can Refrigerated Cooler
250 Can Refrigerated Cooler
Single Bowl Drinks Cooler
Bench Mounted Ice Cube Machine
Flour storage Container
Double Stack heated Lowerator
SR Heated Serving Counter X6 GN
Hot Cupboard X3 Dishes
Front Loading Dishwasher
Dishwasher with Telescopic Hood
Garbage Disposal Unit
Bulkhead mounted Microwave Oven c/w mounting brackets
2 Slice Toaster
6 Slice Toaster
Tunnel Toaster
Manual Can Opener
2 Pot Coffee Machine
Chilled Water Dispenser
Bench Mounted Portable Waste Sack Holder
Manual Detergent Dispenser c/w 5 Litre Detergent Holder

3.6 NAAFI EQUIPMENT

NAAFI equipment context:

- The NAAFI facilities will consist of a single shop. Service will be provided via a serving hatch and counter. The advertising of snacks, confectionary, toiletries, soft drinks etc. will be provided via adjustable shelving units directly behind the main serving counter.
- A freezer is to be provided within the NAAFI shop and store for the sale and storage of ice lollies and ice creams.

It is anticipated that NAAFI equipment will be arranged within the defined compartments and in accordance to drawings.

Indicative NAAFI equipment includes:

DESCRIPTION
Under counter refrigerator
Under counter freezer
Microwave oven
Under counter 200 Can (440ml) refrigerated cooler

3.7 LAUNDRY EQUIPMENT

Laundry equipment context:

- The laundry will be processed in batches of individual laundry (called bundles). These batches will be sorted according to item type and colour and then washed. After washing, heavy items will be transferred into hydro extractors and then all items will be put through tumble-dryers. At this point items will be sorted by the applicable finishing process e.g. pressing/folding.

It is anticipated that laundry equipment will be arranged within the defined compartments and in accordance to drawings.

Indicative laundry equipment includes:

DESCRIPTION
Heavy Duty Washer
Heavy Duty Dryer
Domestic Washing Machine
Domestic Dryer (Heat pump Type)
Linen bins (80 Litre, Polypropylene)

4. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)

1. Are you an Australian registered company? Provide ABN details.
2. Does your website provide a detailed description of your Company's capability? If yes then provide the appropriate link. If no, provide capability statement.
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 provide 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. Do you hold Defence Industry Security Program (DISP) Membership? If so, please state what membership level you hold.
Refer to the [DISP Webpage](#) on information regarding DISP Membership and how to apply.
7. Provide details of the company's management organisation structure and full time headcount.
8. Please state and provide evidence of your Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
9. Please state and provide evidence of the relevant certifications and accreditations held.
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? Provide examples.

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

1. Provide details including value and location of previous relevant defence, maritime or commercial projects in which your company has delivered equipment. Detail the type, value, quantity and specific requirements of the equipment supplied to each project.
2. Do you have capability to design and manufacture commissariat, NAAFI and laundry equipment locally in Australia? If yes, please provide examples of local content manufacture. If not, please provide country of origin and estimated percentage of Australian Industry Capability content
3. Do you have capability to supply and install commissariat, NAAFI and laundry equipment locally in Australia? If yes, please provide examples of local content manufacture. If not, please provide country of origin and estimated percentage of Australian Industry Capability content.

4. Do you have the capability to manufacture in-house or will you need to subcontract portions of the work? If so, please provide details of your capability and on any outsourced components.
5. Please provide details of the typical quality and technical standards you design and manufacture in accordance with.
6. Do you have a clear understanding of the requirements for providing Objective Quality Evidence documentation? Please provide examples of experience.
7. Do you have IT competency to manage secure File Transfer Portal?
8. Have you had experience with providing LOAD or SHOCK testing of materials or equipment certification? Please provide evidence.
9. Does your organisation have experience in using Lloyd's Register Rules and Regulations for the Classification of Naval Ships? If so, please provide evidence.
10. Please provide details and location of your warehousing capability.
11. Do you have experience with Vendor Managed Inventory (VMI)? Please provide evidence.
12. 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.
13. Stipulate any further competitive discriminators currently not identified.

Closing date for Expression of Interest:
26th February 2021