# Invitation to Tender for Spar Painting on HMS Warrior

June 2018 Rev 02

## Revision Notes

## Due to operational reasons it has become necessary to delay the spar painting works to a window between the 1st April 2019 and 19th July 2019. However as the tender process is under way we intend to complete the process with submissions based on this new window. To reflect this change deadlines have also be revised, see section 5 below.

## Introduction

* 1. HMS Warrior is based in Portsmouth and is under the ownership of the National Museum of the Royal Navy (NMRN)
	2. The spars and associated rigging require painting on HMS Warrior, painting includes all associated preparation. The following works are open for tender:
		1. All masts (9), yards (12), Stuns'les (6) and gaffs (3)
		2. Bowsprit, Jib Boom and Flying Jib boom
		3. All funnels (2),Funnel rams (2), cowls (12) and associated funnel surrounds (2)
		4. The blocks, chains and futtock bars, however depending on tender price they may be separated into a future project.
		5. The internal surfaces of the 3 lower masts and the 12 cowls, however depending on tender price they may be separated into a future project.
	3. The tops and Cross trees are not included in this ITT as they are to be painted by the NMRN in house team.
	4. The Martingale and Bowsprit spreader booms are not included in this ITT as they are due for replacement and will be painted as part of the replacement works.
	5. The NMRN would like to have these works completed during a window of 1st April 2019 to 19th July 2019, while avoiding works onboard during school Easter and half term holidays.
	6. All staff will need to obtain Base security passes. This includes completing: a Basic Disclosure, security forms and an online base induction.

## Scope of Work

* 1. All items to be prepared to remove all loose material, key well adhered paint and prepare exposed parent material as follows -Metal to ST2 standard, wood to be abraded to achieve a feather edge. All exposed parent material or paint issued to be spot primed with Hempalin 12050, then a full top coat of Hempalin enamel 52140 is to be applied to all surfaces. 2 primer coats are required on wooden area, 1st coat thinned, 2nd normal primer.
	2. Care must be taken to avoid painting other parts of the rigging, particularly wires and ropes. Clean, sharp edges are required between different paint colours.
	3. Ships structure including: Decks, boats, pin rails, ropes, etc are to be protected from paint spillage.
	4. Paint to be supplied by the NMRN.
	5. During the works issues with the parent material should be identified and shown to NMRN staff so future works can be planned.
	6. The contractor is required to undertake the following work on HMS Warrior:

|  |  |  |
| --- | --- | --- |
| **Ref.** | **Location** | **Action** |
|  | Lower masts*(Fore, Main, Mizzen)* | Paint Lower masts from cap to deck including cheeks. Both metal mast and wooden fendering to be painted*Does not include tops* |
|  | Topmasts*(Fore, Main, Mizzen)* | Paint Topmasts from cap to heel*Does not include cross trees* |
|  | Topgallant Masts*(Fore, Main, Mizzen)* | Paint Topgallant masts from Royal cap to heel |
|  | Yards*(Fore, Main, Mizzen)* | Paint yards aloft; Course, Topsail and TopgallantPaint yards on deck; Royal |
|  | Stuns'les*(Fore, Main)* | Paint Stuns'les. Fore mast :Course and Topsail Stuns'les Main mast Topsail Stuns'les. |
|  | Gaffs*(Fore, Main, Mizzen)* | Paint gaffs |
|  | Bowsprit | Paint Bowsprit, Jib Boom and Flying Jib Boom*Does not include Martingale and spreader booms* |
|  | Funnels, Rams and Cowls | Paint all Funnels, Rams and Cowls from top to deck including surrounds |
|  | Chains | Paint all chains found on all masts |
|  | Blocks | Paint all blocks found on all masts |
|  | Futtock Bars | Paint futtock bars on all 3 tops |
|  | Lower masts internal*(Fore, Main, Mizzen)* | Paint internal surfaces of the three lower mast  |
|  | Cowl internal | Paint internal surfaces of the 12 vent cowls |

## Additional Requirements

* 1. **Materials and Equipment**
		1. The contractor is responsible for supplying the following:
* Harness’, ropes, and other safe access equipment
* Paint brushes, paint kettles, rags, masking tape, thinners, and other paint related materials.
* Materials to protect the ships structure
* Any other items they required for the works
	+ 1. The NMRN will supply the following:
* Paint: Primer Undercoat, Top coat
* Barriers for exclusion zones
	+ 1. Material and equipment storage:
* Equipment storage on board is limited. Non-hazardous items can be stored neatly on the upper (weather) deck with in the works exclusion zone
* We can make some storage space in the workshop but are limited to the quantity of hazardous materials we can store.
* Parking on the pier is limited during opening hours to facilitate visitor and emergency access.
	1. **Condition Statement**
		1. On completion of the work, the contractor is required to provide an MS Word document on the rigging to which they worked, explaining condition and actions taken. Photographs documenting before and after work is complete would prove a valuable record of the condition and actions taken on the rigging.
	2. **Health & Safety**
		1. All materials and equipment used by the contractor or their subcontractors must comply with IOSH and COSHH best practice.
		2. Work can only commence when Risk Assessments and Method Statements provided by the contractor have been provided and signed off by the NMRN.
		3. There are ongoing works on the Bulwarks being completed by an external contractor, ML. Any conflict with ML’s works needs to be addressed by the Tenderer.
		4. Conflict with operations on the quay, especially during museum opening hours, needs to be addressed by the Tenderer.

## Further Information

* 1. **Emergent Works**
		1. Both during and/or on completion of the work as specified within this Brief, there is potential for the supplier to highlight immediate or longer term emergent works.
		2. Any emergent work should be reported to the NMRN on site and in writing.
		3. Tenderers are invited to supply option prices for emergent work.
	2. **Heritage Best-Practice**
		1. The NMRN require all contractors and sub-contractors as part of this work to be aware of and comply with heritage best-practise when working on and around the Ships. Guidance on heritage best-practise can be found at <https://historicengland.org.uk/images-books/publications/conservation-principles-sustainable-management-historic-environment/> (Historic England 2008). Specific best-practise on historic vessels is set out by National Historic Ships in *Conserving Historic Vessels* (2010).

## Tender Timeline

|  |  |
| --- | --- |
| **Activity** | **Date / Time** |
| Deadline for clarification questions | 29th June 2018 – 12:00 |
| Deadline for submission of tenders | 6th July 2018 – 16:00 |
| Award decision | 16th July 2018 – 16:00 |
| End of standstill period | 27th July 2018 – 16:00 |
| Contract start date | 1st April 2019 |

## Supplier Response

* 1. Please provide the following to tenders@nmrn.org.uk by 16:00 6th July 2018.
	2. Please use the format below to set out your tender response
	3. The tendered figures are to be a fixed price lump sum which take into account down time that may be incurred by bad weather.
	4. Responses will be evaluated based on Annex 1 – Evaluation Criteria
	5. Annex 2 - Terms and Conditions of Contract will apply for these works

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ref | Content | Ref | Detail |  |
|  |  |  |  |  |
| 1 | **CVs &Qual.s** | 1.1 | The professional skills and qualifications of people involved in the project, including the names and CV’s of proposed team members, their specific responsibilities and any arrangements for subcontracting. |  |
| 2 | **Methods** | 2.1 | Specify the detailed set up, execution and completion of the works set out in the scope of works (Section 2), including proposed sequence of works. |  |
| 3 | **H & S** | 3.1 | Specify how the contractor aims to comply with H & S IOSH standards.  |  |
| 3.2 | For any use of substances hazardous to health, specify how the contractor will comply with COSHH standards of substance use and storage |  |
| 3.3 | Describe how the potential supplier will execute exclusion zones |  |
| 4 | **Heritage Best-Practise** | 4.1 | Demonstrate how the potential supplier will exercise conservation best practise (NHS; 2010, Historic England; 2008)  |  |
| 5 | **Scheduled Work Programme** | 5.1 | Scheduled work programme (in days) for all stages of the work with milestones and dates. |  |
| 6 | **Costs** | 6.1 | A breakdown of costs for the work including labour and materials.* + 1. Preparation (site visit, production of RAMS, set up on site)
		2. Paint all Masts, Yards, Stuns'les and Gaffs
		3. Paint Bowsprit, Jib boom and Flying Jib boom
		4. Paint all Funnels, Rams and Cowls
		5. Paint all chains (assuming included in this work package)
		6. Paint all blocks (assuming included in this work package)
		7. Paint all futtock bars (assuming included in this work package)
		8. Paint inside of the 3 Lower masts (assuming included in this work package)
		9. Paint inside of the 12 Cowls (assuming included in this work package)
		10. Completion (clear site, production of written report)
 |  |
|  | 6.2 | Any travel, subsistence and accommodation cost for the works (if treated as a separate cost.) |  |
|  | 6.3 | Schedule of day rate or hourly rates the tender is based on, including sub-contractors |  |
|  | 6.4 | * + 1. Total cost to complete all works
		2. Total cost to complete items: 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.1.10
		3. Total cost to complete items: 6.1.5, 6.1.6, 6.1.7, as part of these works
		4. Total cost to complete items: 6.1.8, 6.1.9, as part of these works
 |  |
| 7 | **Insurance** |  | Full extent of professional insurance or indemnity cover |  |