

HMS VICTORY CONSERVATION PROJECT - TIMBER

INDICATIVE STATEMENT OF REQUIREMENTS

1. CORE REQUIREMENTS

- 1.1. This contract is for the supply of sawn, and suitably conditioned European hardwoods, principally oak, for the HMS Victory conservation project being run by the National Museum of the Royal Navy (NMRN). This will require the contractor to work in partnership with the NMRN to prepare and prioritise a planking plan, produce a full specification and costed delivery plan to meet the project schedule.
- 1.2. Throughout this Statement of Requirements, the term 'Contractor' shall also include any such consortium or consultants/subcontractors deemed appropriate by them to fulfil the requirements of the contract. If this is the case, then one consortium member shall act as the Prime Contractor.
- 1.3. The Term 'NMRN' shall mean all those staff managed and appointed by NMRN (Operations).
- 1.4. It is estimated that approximately 400-500 Cu metres of timber will be required.
- 1.5. As part of the supply, the Contractor may be asked to survey and assess for suitability, and incorporate into the project as agreed, potential gifted/donated Oak.
- 1.6. As current planking is removed from the ship, and as a result of ongoing movement monitoring, further investigation/conservation work may be identified that changes the overall project plan, and the Contractor must work with the NMRN to plan and mitigate the impact of this.
- 1.7. The Timber to be for the planking is English Oak¹, for the planking (to meet the approved Butt Plan²) of as defined by the species:
 - 1.7.1. Quercus robur
 - 1.7.2. Quercus petraea
- 1.8. The Oak, and its Usage Class (UC3) and Durability Class (DC2) have been determined as per CPP Report Number 1 - Timber choice for the conservation of HMS Victory.
- 1.9. As part of the overall planking plan, the Contractor is to work with the NMRN to produce a costed, rolling delivery plan for timber to meet the project schedule for conservation work, and an agreed specification for the supply of Oak of suitable quality. The Contractor is to consult with the NMRN as necessary and from time-to-time in order to develop and manage this schedule.
- 1.10. Included within the requirement is the need for the Timber Supplier to work with the NMRN to develop policies and procedures for curved structural timber (e.g. for knees).
- 1.11. The project is currently broken down into 4 Stages as per the Conservation Project Plan. At present, each stage is sequential and of up to 3 years duration:
 - 1.11.1. Stage 1 – Starboard Side

¹"English Oak" refers to the species and not the country of origin, which may come from any suitable source

² HMS Victory Conservation Project Plan Report No 2 Replanking the topside of HMS Victory – Choice of appropriate planking and butt plan, CPP Report V2014.20

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1.11.2. Stage 2 – Bow

1.11.3. Stage 3 – Port Side

1.11.4. Stage 4 – Stern

However, an option appraisal is currently underway which is likely to combine Stages 1 and 3 (Starboard and Port side hull conservation), followed by the combined bow and stern stages (2 and 4). This likely reduces the length of time taken for planking replacement.

- 1.12. This Contract is to cover the first two Stages of work, ((Stages 1 and 2, or combined Stages 1 and 3) with options to extend for Stages 3 and 4 (if a sequential programme is followed), or Stages 2 and 4 combined.
- 1.13. The Contractor is to supply timber and storage data as required in support of ongoing Heritage Impact Assessments and Integrated Pest Management Procedures.
- 1.14. All electronic media shall be supplied and shared in a format compatible with the NMRN IT system and is to comply with NMRN IT security requirements.
- 1.15. The Contractor is to agree a methodology compatible with NMRN systems and processes for the unique identification and recording of each piece of timber supplied under this contract.
- 1.16. A documented conversion process from imperial sizing used in HMS Victory to metric as used by the Contractor is to be agreed, including allowances for final finishing.
- 1.17. Milled, seasoned timber is to be supplied to the Historic Ships Workshop, NMRN, Portsmouth, to an agreed fitting plan with the NMRN. Storage and Seasoning of all timber is to be under roofed cover at the Timber supplier's site until called forward as part of the agreed fitting plan approved by NMRN.
- 1.18. All deliveries of timber are to be receipted by the NMRN.
- 1.19. All Timber shall be seasoned to a moisture content of 16% +/- 1% at the point of delivery to NMRN workshops.
- 1.20. The Timber, once delivered, shall be the property of the NMRN, and suitably identified for asset tracking and audit purposes.
- 1.21. The Timber contractor is to propose and agree with NMRN a quality management system for each plank or piece of timber produced.
- 1.22. Each milled log is to be inspected for the avoidance of Timber Shakes, Heart Rot and other threatening diseases.
- 1.23. If requested, the Contractor is to store other NMRN - sourced timber at agreed rates.
- 1.24. Project/Contract Documentation shall be managed by the consortium and shared electronically between the Sawmill and the NMRN Project Team, via 'OneDrive' and MS Teams or other file sharing system specified by the NMRN Project Team.

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- 1.25. If requested, the Contractor is to supply data to the NMRN in order to establish a carbon neutral project through the replanting of Oak³.

2. OPTIONS

- 2.1. If requested by the NMRN, the Contractor shall act as, or engage/work with an agent to forward – buy and store (under roofed cover) for seasoning European hardwood for long-term conservation. This stock is to be added to the costed inventory, with a projected planned usage forecast.

3. APPENDICES

- A. Principles of Planking.
- B. CPP Report No. 1 - Timber choice for the conservation of HMS Victory.
- C. CPP Report No 2. - Replanking the topsides of HMS Victory.
- D. 'To Be' Planking list.
- E. V2014.35 Principles of Butt Plan.

³ Carbon Trust and Forestry Commission Guidance and Methodology on CO₂ calculations will be followed: Carbon Trust: Carbon Footprinting, 2017 and Forestry Commission: Forest Research Report Understanding the carbon and greenhouse gas balance of forests in Britain, 2012