

Q- Where a Plank or Internal Element is to be jointed in length, what length of overlap or extra length would the Shipwrights desire to allow for the joint?

- 6 x the thickness of the laminate being joined

Q- Where a Plank or Internal Element is to be jointed in length, what length of staves would the Shipwrights prefer? For example, where a 7700mm length is required, would the Shipwrights prefer 2 pieces of 3850mm or a 5000mm length and a 2700mm length? Could some guidance be given for their preferences.

- Short and long lengths are better so we can stagger joints between laminates making up the full thickness plank, random is better than all pairs being the same lengths

Q- Regarding the Compass timbers, it is stated the laminate thickness as 74mm but there are options to select different thicknesses. Which thickness would the Shipwrights prefer to laminate the compass timbers from?

- The Thicker the better if you can supply thicker than 74mm without splits, and to the required moisture content, it would reduce the amount of laminating required for these very large, solid structural elements

Presume that, if these are being steam bent to the required shape, the thinner thicknesses will be preferred.

- We do not plan to steam bend any timber during the project

For the Compass timbers, in column 18, there is an option to quote in 5 different thicknesses, is it acceptable to offer 5 different quotations, 1 quotation for each thickness.

There are some references to you preferring Waney Edge boards and some references to PAR timber – Planed All Round. These are two completely different things. Would the NMRN prefer to receive Waney Edge Boards that they will saw up themselves and then plane and work to the required length, width and thickness or are the NMRN wishing to receive PAR timber that is supplied for further planing/working by the NMRN in their workshops to their required sizes for laminating?

- In an Ideal world the shipwrights would prefer waney edged planks with the waney edge and sap removed, but the full width of the heart wood left and then this board to be thickened.
- The edges would be left sawn to the natural grown shape of the heart wood. This is to allow the shipwrights to use any shape in the grain direction to the full advantage when producing planks with a lot of Sny (curve up or down in profile), these planks are mainly in the bow and stern phases.
- It is also to avoid as many defects as possible or at least place them where they will cause the least issues.

Please note, at the thickness of 74mm, if required PAR, there will be areas on the faces of each piece that will still be of a sawn finish (hit and miss machined). There will still be sufficient thickness for the NMRN to plane the timber further to their required size.

- Yes, we do not think this will be a problem

Where a Plank or Internal Element is to be jointed in width, do the NMRN Shipwrights have a preference of the widths they receive. For example, where a piece is requested at 470mm wide and the timber supplier has an possibility to supply one much wider board, for example at 350mm wide and one board at 120mm wide, would the NMRN prefer this or would they like 2 pieces of 235mm or possibly 3 pieces of 157mm?

- 2 pieces only. Wide and Narrow widths are better so we can stagger joints between laminates making up the full thickness plank, random is better than all pairs being the same widths

Where a plank/piece is to be jointed in width, would the NMRN prefer equal width laminates to make up the width or are they happy with off centre joint lines or non-equal size elements/laminates?

- See above

With the Midships section, please could you confirm, for LOT 2 you have stated a Waney Edge grade with QB1 or QBA and for LOT 1 you have requested a Square Edge grade. Are you looking for Waney Edge boards for LOT2 and Square Edge boards for LOT 1?

- Where possible, we would like all boards to be supplied waney edged, whether Lot 1 or 2. However we would consider square edge boards of the required quality.

For the Internal Elements and Compass Timbers section it is stated a Waney Edge timber grade, please can you confirm that you require waney edge boards for these sections/tabs (Tab 3 and 4) of the HMSV Timber Pricing Schedule v2.0?

- Compass timbers need not be waney edged, waney edge is only an advantage when planking, particularly planks with a lot of Sny (curve up or down in profile)

Final Clarifications Questions must be in by 1700 (5pm) Wednesday 12th October 2022.

Submission Deadline Friday 21st October 2022 at Midday (1200).