

Questionset A

Questions regarding the tender of: Georg Stage, Rehabilitation Project no. 2

1. Regarding 1.7:

7) Breaking up and laying of new deck planking additionally to work covered by appendix A6 - per m., ref. section 214 and 23. Since planking in the fore ship has been covered by project no. 1 and the entire of the remaining teak deck is covered by project no. 2, the question has to concern the remaining planking in the orlob decks.

We understand this as the owner wants a m2 price for the planking in the orlob decks and that prices for any eventual laying of teak deck in the foreship would be given after the work is known. Is this correct?

Answer: It is not correct, we need a m2 price for additional breaking up and laying of deck planking. Please note that the orlob deck is peach pine.

2. Regarding 122:

A night watchman is to be made available by Shipyard at Shipyard's expense for the security and safety of the vessel.

Could this be done in combination with automatic alarm systems (fire, movements, flooding)?

Answer: Yes

3. Regarding 151:

For equipment delivered by Owner and installed by the Shipyard, Shipyard is to provide everything required for the equipment supplier to complete test procedures and commissioning in order for him to deliver the equipment in fully operational condition. Any expenses related to the tests and commissioning, including any re-tests is to be carried by the Shipyard.

We construe this paragraph as Owner will take any expenses in regard to malfunctioning and faulty equipment that is not due to any faults on the shipyards side in connection with the handling and installation of the equipment. Furthermore, we consider expenses that is paid directly to the equipment supplier (e.g. manpower, travel expenses and so on) as well as other expenses paid to any third party in connection with tests and commissioning, to be held by the Owner unless directly stated otherwise in the document. Expenses encountered due to re-tests on equipment because of malfunctioning and faulty equipment that is not due to any faults on the shipyards side in connection with the handling, installation or testing of the equipment is also considered to be held by the Owner.

Is this correctly construed?

Answer: Yes

1. 4. Regarding 155:

Shipyard is to manage the following periodical surveys:

- Special Survey (5 years) including inspection of rudders, sea connections and discharge valves. A docking list will be issued latest at arrival to Shipyard. Periodical surveys must be carried out to the DMA satisfaction.

Since the docking list is not issued yet, the price for this cannot be calculated.

However: Should the offer include rudder- and shaft clearance (inspection for valves are mentioned elsewhere in document)?

Answer: The offer should include rudder clearance inspection, note the rudder-shaft is in one piece. The propeller-shaft has been inspected in 12-01-2016 and is not due for inspection.

5. Regarding 19:

Standard set of spares for all new equipment and new installations to be supplied for at least one year's maintenance.

Is this for yard delivered equipment and installations only?

Answer: Yes

6. Regarding 203:

All internal and external steel of the rehabilitation area is to be blasted to min. SA2.5.

Would the owner consider the use of UHP or a combination of sandblasting and UHP, as long as the required cleaning standard is maintained?

Answer: If the shipyard can provide sufficient documentation and approval from our paint supplier that UHP is acceptable we will consider it.

7. Regarding 203:

All internal and external steel of the rehabilitation area is to be blasted to min. SA2.5.

Is all steel on deck to be considered as part of the job, including vents, ascend to engine room, ascend to aft orlop deck?

Answer: Yes

8. Regarding 205:

X-ray and Ultrasonic testing of hull parts

Is it possible to receive the latest UTM report as well as shellexpansion drawings?

Answer: Yes – see also attachment 1 and 2

9. Regarding 21 and other:

Interior, sheeting, concrete, ballast

Is it possible to get information on the weight and distribution of ballast and concrete in the entire ship?

Answer: No

10. Regarding 214 and others.

This questions concerns new teak deck in all positions. Is the new teak deck planed and pre-cut?

Are the plank ends processed as shown in APP 6 fig. 7?

What moisture content is the new deck delivered in – best if 10 – 12 %

Answer: The new teak deck planks are planned and marked for its specific position, but are not cut in length.

The ends are not processed as shown in APP 6 fig. 7. This has to be calculated in the shipyard offer. Fitting of edge planks are also to be included in the offer.

11. Regarding 216:

Tween deck planking is to be broken up from stern and all the way forward to its forward edge at frame #18. Planks are to be removed in full length only.

If these planks are not to be reused, would it be ok not to remove the planks in full length only in order to keep costs down?

Answer: No

12. Regarding 22

Shipyard is to determine necessary temporary demounting and/or protection of components in engine room, in order to carry out the structural steel maintenance in the area effectively and without causing any harms

Later in the text a list of necessary demounting considered by the Owner is mentioned. If any other demounting is necessary will this be considered outside the general offer given by Yard?

Answer: Yes

13. Regarding 23 and other:

Deck planking in orlop decks are not to be removed other than what is necessary to examine steel of water tanktop. What are the considerations to the deckbeams below these planks. Unless the deck is removed they cannot be sandblasted. Is this ok with the Owner?

Answer: Tanktop and deckbeams between deck and watertanks needs to be sandblasted. Note planking is to be removed see chapter 5 Forward Orlop deck (frame #45-52).

14. Regarding 25:

A new raised ceiling/top hatch in way of the Galley is to be arranged

Is the top of this new hatch to be covered with teak deck planks?

Answer: No

15. Regarding 26:

Overhaul of sea-valves with new spindle packing material, sealing rings, flange packing's bolts and nuts.

Visual confirmation and inspection to be performed by Owner and/or Owner's representative

Could Owner provide list of sea-valves?

Answer: Yes – see attachment 3

16. Regarding 267

After structural steel maintenance, white topcoat is to be applied, and drains with closing valves are to be arranged in order to drain the gutters from the engine room/lower storages below.

Could Owner provide information on the arrangement and numbers of drains with closing valves?

Answer: The drain has to be mounted on the lowest spot in the gutter, meaning we will have 2 drains in each compartment. Valve need to be non return valve.

17. Regarding 267

All eyebolts are to be replaced with equivalent new hot-galvanized eyebolts

Could owner provide an approximate number and sizes of these eyebolts?

Answer: There are 70 eyebolts, (approx. 20 mm bolt, the eye itself is made of 18mm steel and the eyes outer diameter is approx. 55 mm.

18. Regarding 267

Forward railing of raised quarter deck is to be overhauled.

Part of this railing is brass covered with paint. Does the overhaul include repainting the brass or removing the paint so the brass is uncovered when job is done?

Answer: The brass part has to be visible

19. Regarding 281

Painting of interior is anyhow to be of same make as used during Rehabilitation Project no. 1.

Please specify make.

Answer: Sigma interior 30

20. Regarding 41 and 42

Shipyard is to supply all necessary power to the instruments and arrange cable trays and penetrations sufficient for all cables to and from the navigation position.

And

Shipyard is to supply all necessary power to the radio station and arrange cable trays and penetrations sufficient for all cables to and from the station.

Please inform of necessary penetrations for cables

Answer: There has to be 3 watertight penetrations (Bratberg RGS 8) between aft navigation station and the midship one. From the aft station there has to be penetrations for antennas on each side in the gutters. All cable trays (with 200 mm) for instruments and DC power has to be included.

21. Regarding 41

Shipyard is to supply a new hull penetration for combined mounting of echo sounder and speed log in hull bottom, including connection and mounting with packing material of sensors according to maker's instruction. Owner supplies sensors to be mounted. If new sensors does not fit into the existing hull blister/" fish" arrangement, Shipyard is to provide a new blister arrangement having sufficient space for the new sensors and in accordance with suppliers requirements.

Please inform of make and if owner will deliver new approved tank together with equipment.

Answer: Speed log DS 80, echo-sounder unknown, shipyard has to fit the equipment accordingly in the hull and supply tank if necessary. Also shipyard should run cable to aft navigation station.

22. Regarding 44

6 boxes having separate top covers in same materials as existing garbage storage.

Can these boxes be made in water resistant plywood?

Answer: Yes, but has to be painted in colour agreed with the Owner.

23. Regarding 5:

All interior materials such as linings, door frames, furniture, profiles etc. is considered worthy for preservation, and hence is to be gently removed. Ceiling is to be scrapped, but is to be rebuilt exactly as the original.

This question goes for all ceilings. The ceiling covered by project 1 has been altered to smooth type, but original is framed type. Which types should be used in different locations or should everything be "as is" as stated in the specifications.

Answer: In the aft ship (Frame -5 to 18) it has to be as is as stated in the specification. Regarding frame 18 – 36 it has to be same type as in for ship.

24. Regarding 5

After structural steel maintenance is completed, area is to be rebuild having exactly same arrangement as the original hospital.

Is the original hospital as it is now or does anything has to be changed?

Furthermore, should new bulkheads in hospital be in HPL laminate on fire retardant plywood or painted fire retardant plywood?

Answer: The hospital has the same arrangements as the current hospital.
The bulkheads have to be painted fire-retardant plywood.

25. Regarding 5

Companion-way (frame #8-11)

Should lighting be installed in new deckhouse and should there be power sockets? If yes, please specify.

Should new deckhouse be mounted on teakcoaming or directly down on beams?

Answer: Yes there has to be lighting and sockets (2 on each side). New deckhouse should be mounted directly on the deck beams.

26. Regarding 5

Area inside the gutters is to be stripped, note that gutters and shell above has been renovated during the rehabilitation phase 1.

Please specify extend of renewed shell above gutter.

Answer: All deck beams, ribs and shellplates in and above gutters (aft and forward storage) where a part of rehabilitation nr. 1.

27. Regarding 5

Doors, door frames, furniture and cadets lockers are to be gently removed and reused.

Should this be sanded down and lacquered as appropriate?

Answer: Yes it has to be sanded down to raw wood and lacquered as appropriate

28. Regarding 5

In general

Can bulkheads be constructed with a wooden frame clad with fire retardant plywood profiles on bothsides, and not as shown on App. A5 med pre-manufactured modules?

Should bulkheads in new shower area be in painted steel or be clad by HPL laminate on Fire retardant plywood or Vinyl on fire retardant plywood or Perginol?

Should there be A60 isolation around Casing?

Should there be A60 isolation in galley?

Answer: Bulkheads have to be constructed as in specification.

Bulkheads in shower area should be in painted steel

On question regarding A60 isolation around Casing, give price according to specification.

On question regarding A60 isolation around Galley, give price according to specification.

29. Regarding 545

Is decorations aft steel or wood and is it bolted?

Answer: wood bolted on.

30. Regarding 581

All pipes in the sanitary supply system are to be changed to new ones.

Does this only cover the area of project 2?

Answer: Yes

31. Regarding 582 and others

In each grey water tank one extra sensor with time delay is to be installed and connected to the common alarm system. System to be arranged as in the fore ship.

This question concerns all tanks with level indicators. Are level indicators of min/max type only?

Answer: Yes

32. Regarding 791

Manoeuvre consoles, main consoles

Can owner confirm that the job only concerns removing existing maneuvering console more aft? If

not could job be more specified?

Answer: All instruments have to be moved into new console recessed into engine casing.

33. Regarding 801

Any solid ballast being removed from any location is to be carefully weighed and the same amount of ballast is to be relocated at the same position.

Weight of removed and new ballast is to be duly reported by weight and position relative frame number and deck name.

If it is owners responsibility to remove ballast, will owner also be in charge of registering where ballast is taken from and assist yard in the weighing of said ballast?

Answer: Yes

34. Regarding 87

Yard must deliver and install the following, but not limited to

A list of items are listed and we expect that these are the ones included in offer. Can this be confirmed?

When the wording "routing" is used in the text does this includes laying of cables?

Please specify extent of Ethernet cabling.

Antenna cabling that has been dismantled during project. Will these be reinstalled by owner?

Furthermore, specification states that switchboards must be of stainless steel. This is not common practice. Is this a requirement and if yes should new main switchboard (871) also be in stainless steel.

Answer: No.

Routing is without cables.

Regarding Ethernet see attachment 4

Antenna cabling will be restored by owner, except radar and GPS compass

The switchboards can be standard material.

35. Regarding 872

Emergency lights to be changed to LED lights.

Please state number of EL to be changed.

Answer: There has to be sufficient emergency lights according to regulations specified in chapter 112 and as specified in chapter 872. On deck there should be the same amount as current.

36. Regarding 892

All new and rehabilitated accommodation areas and cabins to have new lights.

Text is a little unclear. Should aft and forward lower storage rooms as well as engine room also have new lights?

Could it be an idea to agree on an amount for lights, so that owners would have free choice of types and qualities within this amount?

Answer: All areas in the rehabilitation area should have new lights.

Light in cabins and companionways should be same type as in forward cabins (see appendix A4) and companionways, (Maker "Cabin").

37. In General

Will the ship be emptied for loose goods by the owner?

Should loose boxes on deck be overhauled?

Answer: All loose goods will be emptied,

Loose boxes is moved and stored by the shipyard, should not be overhauled.

Question Set B

vi vil gerne bede om oplysninger vedr. tanke: hvor mange (med navn), størrelse og omfang af arbejdet.
We would like information about tanks: how many (with name), size and scope of work.

Answer: Placement of tanks can be seen on General Arrangement – Specifications appendix A1.

Scope of work is found in specification chapter 23 Cargo area

Whats in the tanks is found in specification chapter 285.

List of tanks

	Ton	
Watertank, drinking water stb	11	water
Watertank, drinking water port	11	water
Watertank, drinking water stb	6	water
Watertank, drinking water port	6	water
Watertank - fore drinking water stb	4,4	water
Watertank - fore drinking water port	4,4	water
Forepeak Tank - Black Water	7	water
Permanent Ballast Tank	60	Iron
Water Ballast Tank – aft stb	7,2	water
Water Ballast Tank – aft port	7,2	water
Black Water Tank aft	3,6	water
Grey water tank aft	3,6	water
Aftpeak Tank		empty
Fuel tank	8	diesel
Fuel tank - daily use	0,2	diesel
Oiltank	0,2	oil