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Deepwater Container Terminal Gdansk

Date: 21/05/2014

TENDER

01/EU/T2/STS

REGARDING PURCHASE AND DELIVERY OF FIVE SHIP TO SHORE QUAY CONTAINER GANTRY CRANES

Q&A table regarding technical specification (Employer's requirements) in accordance with point 5.6 of Terms of Tender.

Please also refer to point II.1.C of the Notice: Detailed technical specification (Employer's requirements) constitute an integral part of the Tender Documentation and is available in the registered office of the Ordering Party and, at Bidder's written request, shall be sent to the Bidder by post or e-mail by the expiry of the bids' submission date set out in point 6.12 of the Terms of Tender.

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No	Question	Answer
1	Clause 3.1 Maximum vertical wheel Load : 100.00 tones. Is it acceptable to propose the maximum wheel load 110t per wheel on operation wind condition?	The quay crane track was designed for the maximum wheel load 100 tons and it can't be changed.
2	Clause 3.1 The maximum in-service crane weight can't exceed 1600 tons including spreader and ballast. Is it acceptable to propose the crane weight 1800~1900t including spreader and ballast?	Unfortunately, the crane weight can't exceed 1.600 tons.
3	Clause 6.1.2 The hoist ropes should have designed calculated safety factor at least of 9:1 based on the minimum braking strength of the rope in centric load case. Is it acceptable to propose safety factors 6 on center load condition and 4 on eccentric load?	The hoist ropes should have designed calculated safety factor at least of 9:1 based on the minimum braking strength of the rope in centric load case.
4	Clause 6.2 The trolley travel will be driven by four A.C. motors located directly on the trolley and their speed shall be frequency converter controlled. Is it acceptable to propose the rope towed trolley?	We do not accept rope towed trolley.
5	Q5:It reads that "All crane mechanisms, electrical or electronic equipment must be of European origin. Examples- motors, breaks, all electrical and electronic equipment, control equipment, gearboxes and all bearings, switchgears, switches, etc." Our understanding to this is clause is that only the major components like spreaders, motors, breaks, gearboxes, electrical drive cabinet,switchgears, transformers, etc. shall be original from European components. For the small things on the crane like bolts, fixed installed cables, cable trays, brackets, pipes of hydraulic system, power sockets, etc. can be Chinese products.	Please be informed that according to our understanding particular mechanism or equipment doesn't mean only the core part of it but also all adjacent equipment or components like pipelines, hoses, electrical cables, control system, etc. Beside it all equipment and mechanisms must fulfill Polish and European obligations according to p.4.1 "… design and construction must comply with all Polish (PN) or European standards (EN) standards current at the date of contract. For aspects where no EN standard has been issued, appropriate ISO, European or American standards will be used. The crane must fulfil all obligations needed for obtaining Polish TDT ('Transportowy Dozór Techniczny') approval for usage."
6	Q6: In chapter 3.1 page 6: the number of wheel per corner is 8. Will be a different number of wheel like 10 or 12 accepted, if the dimension is technical proved?	Please follow the Employer's requirements.
7	Q7:In chapter 5.5 page 14, the design of the boom is not specified. We preferred a design of the boom with a monobox girder. Do you accept this solution?	Monobox girder is acceptable as long as it fulfills all Employer's requirements and especially those related to the stiffness.
8	Q8:In chapter 5.7 page 15: the hoist ropes must be supported on two trolley between the seaside end of the boom and it´s landside end of the main beam. Our understanding type of crane is a self-driven trolley (semi-rope). It is possible to propose a design with machinery trolley? The hoist system will be not located into the machinery house of the crane on the top of main beam, but located in the trolley.	Please follow the Employer's requirements –p.6.1.HOIST SYSTEM. The whole host drive unit must be installed into the machinery house of the crane, located on the top of main beam.

9	1. Employers Requirements Clause 3.5 – Telescopic Spreader Can you please confirm the quantity of spreaders required? (1 per STS crane? any spare spreaders required?)	We require six spreaders, one per each crane plus spare one.
10	2. Employers Requirements Clause 3.6 – Hook Beam Can you please confirm the quantity of hook beams required?	One hook beam is required.
11	3. Employers Requirements Clause 7.4.2 – Medium Voltage Connection Box We note the requirement for the power connection box, cable funnel and any associated civil works. These are normally the scope of supply of the employer.	We agree. It should be easier to coordinate delivery of the connection box and cable funnel with General Contractor of new terminal. The Clause 7.4.2. was removed.
12	4. Employers Requirements Clause 7.6.11 – Boom to Vessel Anti-collision System We note the requirement for a wire anti-collision system, is a laser scanning anti-collision system permitted?	We have decided to ask for more modern solution and laser one is required according the updated Specifications.
13	5. Employers Requirements Clause 7.8.2 – Power Supply to Trolley We note the requirement for an Energy Chain system, is a festoon system permitted?	Only energy chain is allowed.
14	6. Employers Requirements Clause 7.6.10 – Semi - Automation Crane design considers a mechanical, robust anti-sway system as specified. We suggest the electronic Anti-sway system is considered as an optional feature included as part of the optional Semi Automation of Operations system.	The electronic anti-sway should be delivered according to the Specifications.