

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

CE/WKS/896/IWAI/3506

28.09.2018.

Sub: "DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 3 NOS OF FLOATING JETTIES ON RIVER MANDOVI NW-68, & 1 NO. ON RIVER CHAPORA NW 25 ON EPC BASIS".

CORRIGENDUM: II

The Technical Bid for the subject work is to be opened on 16.10.2018. As there are amendments in some Clauses in the Tender, same are issued as Corrigendum II, with the approval of the competent authority. The amendments have been included in the Pre-bid clarifications for this tender.

The bidders shall read the amendments in conjunction with tender document no: CE/33/2018.

Sr no	Clause No	Tender Condition	Amendment to clause
1	Clause 3.6 of I.T.B. pg.13	The similar work experience of parent company/subsidiary/sister company or any associated firm/company of the bidder shall not be considered unless the parent company/subsidiary/sister company or associated firm /company is part of the JV /Consortium participating in the bid.	The similar work experience of parent company/subsidiary/sister company or any associated firm/company of the bidder shall not be considered unless the parent company/subsidiary/sister company or any associated firm /company has at least 26 % shareholding in the bidding company/ firm/proposed JV/Consortium.
2	Clause 16.1.1. of I.T.B. pg.25	"Similar Works" means "design, construction, supply, installation, testing and commissioning of concrete floating jetties incl. all ancillary works such as ,steel landing platform, gangway ladders. Bidders shall have executed similar works in Govt. Institutions, Ports, Public sector units or reputed Private companies etc.	"Similar Works" means "design, construction, supply, installation, testing and commissioning of concrete floating jetties incl. Ancillary works such as gangway. Bidders shall have executed similar works in Govt. Institutions, Ports, Public sector units or reputed Private companies etc.
3	Clause 16.1.4.ii of I.T.B. pg.26	The Bidder should have its own / hired manufacturing facility for floating concrete pontoons/modules, in India. The bidder shall also furnish the details manpower & equipment available with him, for the installation of floating jetties and proof of successfully installing of at least of one concrete floating jetty during last seven years in India.	The Bidder should have its own / hired manufacturing facility for floating concrete pontoons/modules, in India, or shall submit an undertaking stating that the pontoons shall be manufactured at a yard in India. The bidder shall also furnish the details of manpower & equipment available with him, for the installation of floating jetties and proof of successfully installing of at least one concrete floating jetty during last seven years in India or

4	<p>Part-II Technical specifications -sub heading "Design concerns" pg 68.</p>	<p>Design concerns: Tenderer should submit final design and general arrangement layout/arrangement drawing showing installation of floating/finger jetties, approaches, Landing platforms, gangways. The pontoons shall have to be designed to cater to berthing of vessels of size LOA 22.00 Mts, Beam 4 to 5 mts, draft 1.00 mts. Dead load is to be considered including weight of pier, cleats, fenders,, water facilities, fire extinguishing systems, electrical cabling, lights, fuel dispensers, drainage outlet and pumps. Water level variation and sea bed profile to be considered for proposed jetties Buoyancy to be considered as per size of pontoon Relative motion of Pontoon in cross Current to be considered. Bathymetry at 4 locations to be done. Live Load as per design consideration for pontoon Free board, wind Current and berthing velocity with draft to be considered. Berthing and Mooring force to be considered Type of arrangement of Mooring Chain/ be finalized. Design life of the jetty should be 30 years. The slope of the walkway shall be true and level and shall normally have a maximum strong 1:3 low tide. Horizontal loading conditions should take into consideration the impact of the vessel movement considering speed of 0.5m/sec. or above as per data and at an inclination of 10 deg. to the docks. Current load to be allowed for based on V max for the site. Wind load to be calculated using "Tobiasson" and the V max for the site. All bolts, fasteners and cleats to be of</p>	<p>abroad. Design concerns: Tenderer should submit final design and general arrangement layout/arrangement drawing showing installation of floating/finger jetties, approaches, Landing platforms, gangways. The following parameters have to be necessarily complied for submitting Final Design of Floating concrete Pontoons. 1. Vessel dimension considered for design of floating concrete pontoon. 2.Loads considered in Detail, 3.Flood Velocity considered. 4.Water level variation & its return period considered. 5. Berthing Force and Mooring Force considered in the Calculation sheet. 6. Type and arrangement of Chain anchor mooring proposed in the form of calculation sheet. 7.Buoyancy calculation 8. Damaged stability of Pontoons. 9. Relative motion of Pontoon under all probable loads 10.Bathymetry considered for design of pontoons. 11.Prototype testing details worked out for Indian and Similar conditions globally 12.The pontoons shall have to be designed to cater to berthing of vessels of size LOA 22.00 Mts, Beam 4 to 5 mts, draft 1.80 mts. 13.Dead load is to be considered including weight of pier, cleats, fenders, water facilities, fire extinguishing systems, electrical cabling, lights, fuel dispensers, drainage outlet and pumps. 14.Water level variation and sea bed profile to be considered for proposed jetties 15.Buoyancy to be considered as per size of pontoon 16.Relative motion of Pontoon in cross Current to be considered. 17.Bathymetry at 4 locations to be</p>
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	<p>stainless steel only of SS grade 316. All railings to be of SS grade 316. Ramps and gangways to be designed for golf cart loads and wheels to be designed also keeping in mind the loads together with wear plates placed at the bottom. Approvals required: (Will be obtained by the Client) if required.</p> <p>Approval of IWAI Approval by Captain of Ports (CoP) Approval by Coastal Regulation Zone (CRZ) by COP Approval by Environmental Impact Assessment (EIA) by COP Any other approvals, if required.</p>	<p>done.</p> <p>18.Live Load as per design consideration for pontoon 19.Free board, wind Current and berthing velocity with draft to be considered. 20.Berthing and Mooring force to be considered 21.Type of arrangement of Mooring Chain/ be finalized. 22.Design life of the jetty should be 30 years. 23.The slope of the walkway shall be true and level and shall normally have a maximum strong 1:3 low tide. 24.Horizontal loading conditions should take into consideration the impact of the vessel movement considering speed of 0.5m/sec. or above as per data and at an inclination of 10 deg. to the docks. 25.Current load to be allowed for based on V max for the site. 26.Wind load to be calculated using "Tobiasson" and the V max for the site. 27.All bolts, fasteners and cleats to be of stainless steel only of SS grade 316. 28.All railings to be of SS grade 316. 29.Ramps and gangways to be designed for golf cart loads and wheels to be designed also keeping in mind the loads together with wear plates placed at the bottom. Approvals required: (Will be obtained by the Client) if required. Approval of IWAI Approval by Captain of Ports (CoP) Approval by Coastal Regulation Zone (CRZ) by COP Approval by Environmental Impact Assessment (EIA) by COP Any other approvals, if required.</p>
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CHIEF ENGINEER.