

Subject: Tender of National Competitive Bidding for Design, Construction, Supply, Transportation, Installation, Testing and Commissioning of HDPE pontoons along with Gangways for providing Floating Terminal Facilities at Various Locations on NW – 1 (Ganga – Bhagirathi – Hooghly River System from Haldia to Varanasi) in the state of West Bengal.

Reference: IN-IWAI-334381-GO-RFB-2

CPP Portal Tender no: 2023_JMVP_746602_1

Response to Pre-bid Queries (Pre-bid held on 18.04.2023)

S. No	Page No & Clause No	Content of RFB requirement	Clarifications sought	Response
1	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Technical Specifications	What is final freeboard to be achieved under dead load for the pontoon system?	Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90.
2	General	HFL & LWL	kindly provide us with the high tide/ low tide values of the proposed areas.	HFL and LWL of the locations are as per annexure-1
3	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90 and 93	Live Load capacity/Berthing capacity (approx. 100 persons). Weight carrying capacity of module / block: Minimum 360 kg/m2. or more	Please confirm the design load specifications will be same as mentioned Live load: 3kPa (Personnel load) and concentrated load of 4.5kN (Buggy Load). Kindly note as per the yesterday's meeting, the requirement of the Pontoon system has been clear, and we would like to suggest that HDPE Pontoon will not be sufficient enough to meet the above load requirements. So, we strongly suggest as a best option in this case would be to go with Aluminum Pontoon with HDPE or GRP Floats, as we understand the project requires a more stable & Robust system.	Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90 and 93. Being the supply item there will be no change in material at this stage.
4	General	Depth of water level	Please provide us the depth of the water level in the area of pontoon and gangways	Please refer reply at Sno.2
5	Schedule VII, Technical	Technical specifications	Please specify the length and other details of the vessel to be docked on the pontoon.	Local country boats ranging between 10m to 15 m in length usually ply in West Bengal.

	Specifications of Pontoon and Gangway of HDPE Material, Page No 90			
6	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Minimum Reserve Buoyancy: 40% under design loading conditions	A minimum reserve buoyancy of 40% has been depicted as mandatory in the documents. As per code AS3962 for design of marinas usually the reserve buoyancy at worst case will be around 50mm for the marina. So kindly let us know if there is any specific reason to allocate 40 percent of the float as reserve buoyancy?	Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90. For smooth berthing of vessel & safety of the pontoons, the reserve buoyancy has been kept as 40%.
7	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Anchoring Arrangement: Suitable anchoring, mooring, bollards should be provided for stability and alignment of the approach.	As per the meeting held yesterday, it was understood, that the Current level is very high on these locations. Hence, we will propose to proceed with the Pile Anchoring System. Kindly confirm on the same	Please refer clause no-2 i.e. Scope of work for locations. Considering the river morphology, safety aspects, shore connectivity, hydraulic suitability etc the pile anchoring system is not required. Anchoring provision is indicated in schedule VII, Specifications of HDPE pontoon, Page no-90.
8	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Technical specifications	Please provide us with wave height and the current speed of the proposed area as we came to know that the project location will have both longitudinal and transverse displacement due to current.	The observed river current/ velocity is maximum 2.0 m/s.
9	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Material for construction for module / block: The Floating Pontoons to be made up of 100 % Virgin high	We understand that the proposed project is for the transport of cargos and also to facilitate the easy transportation of farmers around the area. We would like to suggest that HDPE pontoons are less stable not robust and will account for a lot of movements due to external forces. If we are looking for a robust and stable structure, then	Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90 of tender document.

		density polyethylene (HDPE) and should be 100% recyclable & Non-Polluting. Deck / Top Cover : Aluminum chequered flooring having a thickness of 4 mm and as approved by EIC	we recommend to use a aluminum pontoon with GRP floats which can be used for the same. They are more durable and stable compared to HDPE pontoons and they can easily cater for the purposes more effectively than HDPE Pontoon.	
10	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Size: Approx. 15m x 4.5m (hot dip galvanized steel enveloped double layered HDPE Pontoon). Aluminum matting to be done suitably	Please let us know if the HDPE block dimensions provided in the tender document is final or it can be subjected to change during the detail design stage.	No change. Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90.
11	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Draft: Loaded: 0.8m	It has been specified that the loaded draft of the pontoon should be 80cm. Based on our experience if we need a loaded draft of around 80cm for the HDPE block we may well have to increase the height of the HDPE block and design the steel frames in such a way that we achieve the minimum freeboard required plus maintaining the reserve buoyancy	Please refer Schedule VII, Specifications of HDPE pontoon, Page no-90.
12	General	Data	Please provide us the bathymetric survey and soil investigation report	Details shall be shared with the successful bidder.
13	Schedule VII, Technical Specifications of Pontoon and Gangway of HDPE Material, Page No 90	Lighting arrangement : The floating pontoon shall be equipped with a solar powered flashing beacon (white/ yellow	Any MEP Provisions to be considered in the Design. Kindly Confirm on the same	Refer schedule VII, Specifications of HDPE pontoon, Page no-92 & 93 of tender document.

		flashes of minimum 22-30 flashing per minute) as approved by the EIC. (OEM Declaration required). The Jetty to be equipped with Solar LED lights of min. 2 x 15W.		
14	General		Is it possible to arrange for a Site Visit to understand the Site Condition and planning the logistics arrangement	Please refer clause no-2 ie. Scope of work for locations. However, bidder can undertake site visit for which IWAI regional officials will coordinate after due intimation by the bidder.
15	SECTION III. EVALUATION AND QUALIFICATION CRITERIA	SECTION III. EVALUATION AND QUALIFICATION CRITERIA	Since it is not a Global Tender, a Foreign Company having its group company in India under the same name and Ownership can participate? In such case, the Audited Financial Report and turn over details of the Parent Company from Foreign Company can be provided and shall be accepted. Kindly confirm	I. Please refer clause no 4.3 of ITB." II. Please refer clause 32.2(Qualifications of the Bidders) of ITB, In reference to the above, the bidder may assess their qualifications and bid accordingly.
16	General		Kindly advise on the pre bid meeting that was originally scheduled in order to attend the same	The pre-bid meeting held on 18 th April 2023.