

1 لا تُخْرِجُوا دِيَارَكُمْ

نمبر سند No:	TES/2020/W-036		
پراجیکٹ Project:	Survey, Design & Construction of Ha.Thakandhoo Harbour		
تاریخ Issued Date	23 <sup>rd</sup> March 2020		
صفحہ No. of Pages: -05	ہیڈنگ Boq: -00	ڈرائنگز Drawings: -00	

Please include this addendum when submitting the bid. 

- Please find attached Answers to the Clarifications Received.



**Signature:**

Contractor Comments	Ministry of National Planning & Infrastructure Response/Reference Document
<p>1. Design work - ITT 11.1(b) - In reference to ITT 11.1(b) (regarding schedules to be submitted along with the tender):</p> <p>a. Employer to confirm if preliminary design of revetment structures, groyne and pavement are excluded from the Tender submission.</p> <p>b. Employer to clarify what is intended by "Final layout drawing of the proposed harbor".</p>	<p>Design works will be done only by the awarding contractor. Bidder to quote by following the preliminary concept, employees requirement and the experience from harbour construction in Maldives</p>
<p>2. Ramp for landing craft - Section 5 – Design Criteria - In reference to Section 5 – Design Criteria:</p> <p>a. Point 21. mentions a ramp for landing craft access that is not represented in the provided Concept Layout. Employer to confirm if this structure is intended;</p>	<p>For Thakandhoo no ramp is proposed. So no ramp has been identified in the layout.</p>
<p>3. Design work - Employer to clarify which design elements must be delivered within the 14 days of signing the contract. Apart from the quay wall, which is clearly mentioned in the TOR, it is not clear if the remaining project elements are to be delivered within the same submission period or if can be submitted at a later stage.</p>	<p>All the components are to be design and delivered within 14 days for client to approval. Full complete set should be delivered</p>
<p>4. beach nourishment - Employer to advise if intends to undertake a beach nourishment operation at the beach located between the new platform and the new Groyne structure;</p>	<p>Yes</p>
<p>5. Accessibility on structures - Employer to confirm if the prolonged breakwater and the groyne shall be accessible to vehicles;</p>	<p>No</p>
<p>6. Vessel mix - Employer to advise on the vessel mix for the harbors.</p>	<p>mostly fishing vessels (65'-100') and small vessels (less than 50')</p>
<p>7. Design work - Employer to advise if the harbor structures are to be designed for very extreme</p>	<p>it should withstand extreme weather, like swell wave surge. We advise the bidder to understand</p>

events related to cyclones and tsunamis.	the climate of Maldives and also understand the proposed location
8. Survey and coastal studies - Employer to advise if there have been topographic & bathymetric surveys and coastal studies undertaken for the project that can be provided in order to support the preliminary design activities.	Bathymetric surveys are been undertaken. Once done will be sharing the data.
9. Layout drawings of the proposed harbour, we have to submit through bid documents?	Preliminary concept given should be submitted. The winning bidder will be doing the shop drawings
10. Preliminary design calculation of breakwater and harbour, we have to submit through bid documents?	No
11. Please provide the structural design of bridge or it is in contractor's scope?	It's the winning bidder's scope. The size is given for bidding purpose
12. Preliminary design calculation of quay wall, have to submit through bid documents?	No
13. Does the project require environmental monitoring during construction as a part of contractor scope?	Yes
14. Please specify the mooring block location?	Quantity will be specified in layout and BOQ. Location will be finalized during the construction stage
15. Is EIA done for this project or do we need to make one by ourselves?	EIA is done by ministry. Contractors scope is to establish a PSM point
16. Does the tie rods for anchor blocks need to be galvanized or MS?	Its MS and the winning bidder has to provide the specification for approval.
17. Is 3 phase electricity available near the harbour?	It will be available. The winning contractor to arrange with the help of council to provide electricity to site.
18. Can we have PVC sleeves in quay wall as drainage from pavement to the sea?	Yes
19. What is the minimum strength of interlocking paving blocks? Does it have to be zig-zag or	It's specified in the employer's requirement. It should be interlocking or can be concrete slabs. Contractor to submit for approval.



rectangular?	
20. Can we design a quay wall with a sheet-piling option instead of using precast L-blocks?	Yes
21. How far from the harbour is the location to dump excess sand accumulated from dredging works?	It should not be far from harbour site. As we don't encourage the contractor to move their heavy vehicles in to the island
22. What is the purpose of the ramp?	For landing craft access
23. What is the Depth of the existing basin? How deep is it and do you have a bathymetry survey of the basin?	This is an existing harbour therefore its assumed that the existing depth will be around -2.5m MSL. Ministry is conducting EIA for these projects. Bathymetry will be available once all surveys are done. This will be shared with all the bidders.
24. Where to dump construction debris?	To remove from island
25. Can we use local sand for Block making?	No
26. Please clarify the availability of material storage and accommodation?	Site location and size has to be decided and informed to the client ministry so that we can get approval from council. Once approved that site can be used for storage and accommodation. If required more space winning bidders responsibility to find more with help of council. If there is no space to make site its contractors responsibility to arrange accommodation and storage
27. Water supply for construction work source?	Winning contractors responsibility to arrange with the help of council
28. Method of anchoring of bollards/mooring hooks?	Winning contractor to propose to ministry for approval
29. Existing functions of the harbour?	To access island and for berthing
30. The crust level with reference to MSL?	Refer to employer's requirement for minimum requirement. But the level has to be set according to the characteristics of the island. Some island the height has to be increase and for some it has to be lowered then the level mentioned in the employer's requirement
31. Is there any bathymetry or any built available of the existing harbours on these?	Bathymetry will be provided once EIA survey is done by ministry. No as built of this harbor is available.
32. Please clarify the present status of existing Quay wall and breakwater situation or should make total new on?	If a new quay wall/breakwater has to be made it will be specified in the given concept.



33. If any jetties are there should demolish and build a new one are should make renovation then tell me the length?

If required will be in the concept provided.

