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<b>نمبر</b> <b>No:</b>	<b>TES/2020/W-037</b>		
<b>پراجیکٹ</b> <b>Project:</b>	<b>Survey, Design &amp; Construction of Aa.Thoddoo Harbour</b>		
<b>تاریخ</b> <b>Issued Date</b>	<b>26<sup>th</sup> April 2020</b>		
<b>پہاڑے</b> <b>No. of Pages: -04</b>	<b>ہو</b> <b>Boq: -00</b>	<b>ڈرائنگز</b> <b>Drawings: -00</b>	

Please include this clarification when submitting the bid. بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

- Please find attached Answers to the Clarifications Received.



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**Name: Fathimath Rishfa Ahmed**

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**Signature:**

Contractor Comments	Ministry of National Planning & Infrastructure Response/Reference Document
1. In page no.63 Scope of works point no.3 stated that “the scope of works should include removal/demolition, transportation and disposal of existing harbour structures”. Please provide the demolition quantity and lead distance for transportation and disposal.	It's included in the BoQ as Lump sum. The quantity can be identified from the layout given. For transportation of this material include the cost of transportation to Thilafushi.
2. The mentioned above island harbor design work was already completed? If yes, please provide the cross section details drawing for quay wall, Breakwater, Revetment and Groyne.	Harbour preliminary concept is done and it's being shared. The detail designs have to be done by the winning contractor based on the employer's requirement and to the site condition.
3. In Page no.65 Scope of works Sec III, duration of the project mentioned includes preliminary & design work?	Yes
4. The BOQ which was given by Ministry, it states that slopes, lines and levels indicated in the cross section drawings for the following item of work Breakwater, Revetment & Groynes. But the cross section drawings were not provided; please provide the required cross section drawings.	The detail design will be done by the winning contractor. He will be proposing the slopes and levels. For the bidding purpose we advise to use our employer's requirement and the bidders experience in constructing harbours in Maldives.
5. Please provide the detail design of bridge & Platform.	This is a design and build contract. So it's the contractor's responsibility to provide the design based on Experience & Employer's requirement
6. Dredged material where need to be Reclaimed, what is the lead distance?	Any reclamation area will be shown in the preliminary concept given. Any access dredge material will be stock piled. Location will be provided once EIA process is completed. Bidder to quote to stock pile near the harbour area.
7. Please provide the detail design of Sand filled breakwater.	Bidder to refer to the employer's requirement and also use their experience of construction of harbours in Maldives. As this a design and build contract it's the winning bidder who will be doing the detail design
8. 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
9. Preliminary design calculation of breakwater and harbour, we have to submit through bid documents?	No
10. 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

11. Preliminary design calculation of quay wall, have to submit through bid documents?	No
12. Does the project require environmental monitoring during construction as a part of contractor scope?	Yes
13. Please specify the mooring block location?	Quantity will be specified in layout and BOQ. Location will be finalized during the construction stage
14. 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
15. 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.
16. 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.
17. Can we have PVC sleeves in quay wall as drainage from pavement to the sea?	Yes
18. What is the minimum strength of interlocking paving blocks? Does it have to be zig-zag or rectangular?	It's specified in the employer's requirement. It should be interlocking or can be concrete slabs. Contractor to submit for approval.
19. Can we design a quay wall with a sheet-piling option instead of using precast L-blocks?	Yes
20. 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
21. What is the purpose of the ramp?	For landing craft access
22. 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.
23. Where to dump construction debris?	To remove from island
24. Can we use local sand for Block making?	No
25. 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
26. Water supply for construction work source?	Winning contractors responsibility to arrange with the help of council
27. Method of anchoring of bollards/mooring hooks?	Winning contractor to propose to ministry for approval
28. Existing functions of the harbour?	To access island and for berthing
29. 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
30. 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.
31. 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.
32. 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.