

**Circular No. (13)**

**Reference: TENDER 30/2015 – Construction of the Fishery Port (Port & Road Related Work) at Duqm**

Tender Documents Collection date: 11<sup>th</sup> Jan  
2016  
Site Visit: 26<sup>th</sup> Jan 2016

Submission date: Tuesday/08<sup>th</sup> March 2016  
**1<sup>st</sup> Revised Submission Date: Tue/05<sup>th</sup> April 2016**  
**2<sup>nd</sup> Revised Submission Date: Tue/03<sup>rd</sup> May 2016**

**Subject: Reply to Queries**

Reference to the bidder's clarification on the above subject, kindly see the attached reply to queries for your kind action and record.

**NOTES:**

- All Bidders are to endorse this Circular and attach it as part of their tender submission.
- Bidders are advised that SEZAD shall **not accept** any further queries as tender shall be submitted on **Tuesday/03<sup>rd</sup> May 2016 at 12h00, Muscat Time.**

Kind regards

  
SEZAD, Tenders & Contracts





CONSTRUCTION OF FISHERY PORT (MARINE & ROAD RELATED WORKS) AT DUQUM  
SULTANATE OF OMAN  
TENDER QUERIES CLARIFICATION

No	Item in Tender	Queries by Bidders	Response by SEZAD
1	General	Please provide the project boundary limits with coordinates.	Project boundary shall be finalized during finalization of design, to the approval of the Engineer and the relevant authorities.
2	General	It is assumed that the main objective of the breakwaters is to protect the harbour basin from wave action and sedimentation. As such, the breakwater design will not provide any allowance for vehicular access, buildings or any other type of structure. Please confirm.	Breakwaters shall be designed as per the standards allowing vehicular access and facilities wherever requires as shown in Port layout.
3	General	It is assumed that the overall project layout, as defined in the FEED study, is "fit for purpose" and meets the functional requirements of SEZAD. The proposed scope of work does not include any allowance for significant modifications to the project layout to accommodate revised functional requirements. Please confirm.	Modification of layout is not expected.
4	Circular No. 10 – Item 18 and Addendum No. 3	<p>Given that:</p> <ul style="list-style-type: none"> <li>The FEED study utilized a 10 year wave hindcast, which is insufficient to reliably estimate a 100 year return period event. In Circular n. 8 – Query 22, SEZAD confirms that the design shall be based on 100 yrp wave conditions either cyclonic or non cyclonic whichever is critical.</li> <li>The FEED study did not include a detailed assessment of cyclone waves and surges. In Circular n.8 – Query 21, SEZAD confirm that Contractor has to consider Cyclone in design verification.</li> </ul>	Bidders can submit rates for alternative offers in addition to Base offer.



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		<ul style="list-style-type: none"> <li>• The FEED design proposes the use of six different armour unit sizes (Core-LocTM). It may be more cost-effective to reduce the number of sizes required.</li> <li>• The breakwater designs presented in the FEED study do not consider cyclone waves. Cyclone waves will likely govern the design of the breakwaters, with potential implications on the design as follows:                             <ul style="list-style-type: none"> <li>o Much larger armour units (and filter stone) will be required to prevent severe damage or failure during the design event;</li> <li>o Increased quantities of concrete and filter stone;</li> <li>o Large equipment required to handle/place the armour units;</li> <li>o Potential issues with heat of hydration during curing.</li> </ul> </li> </ul> <p>In particular, internal preliminary design calculations suggest that the armour unit size required to resist cyclone wave attack along the most exposed outer sections of the East Breakwater may be up to 12-15 m<sup>3</sup>, whereas the CES (2013) FEED study design assumes a unit size of 3.9 m<sup>3</sup>. If confirmed, this change could result in a 40-50% increase in the volume of concrete required for these sections of the breakwater, as well as the requirement for larger equipment to handle and place the units. In addition, there may be issues associated with</p>	

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		<p>heat of hydration during curing of such large units in the hot desert climate. Finally, larger filter stone (underlayer) would be required under these units.</p> <p>According to Circular no. 6 – item 41, “The contractor has to design the components of which the design is not supplied”. That means that the alternative bid may include additional components in respect to the tender BOQ. Some of these components need to be defined after detailed design.</p> <p>In view of the above, please confirm if the bidders are allowed to include “rate only” BOQ items for these additional components.</p>	
5	Vol II-Section 8: Specification	<p>Ref. Clause C19.6.1: Please confirm if the soil improvement for the loose layer below the seabed level is required. Is there a minimum scope of geophysical surveys and ground investigation works required by the client for the proposed development? Please advise.</p>	<p>No soil improvement is required for existing seabed.</p>
6	Vol II-Section 8: Specification	<p>Ref. Clause C19.6.1: It has been stated that compaction by manner of Vibro Compaction to be adopted and typical spacing of square or rectangular grid shall not be more than 3m and some other design parameters like holding time for compaction have been specified as well. Please confirm if Contractor to follow the specified method and parameters for the compaction or Contractor can adopt any other method or parameters for compaction to achieve the technical requirements for the project.</p>	<p>Contractor can suggest alternative method but the method and verification adopted shall be subjected to the approval of the Engineer and Client.</p>



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7	Volume I: Prime Document Clause 3.1.2	The Bid Bond in the amount of not less than one percent (1%) of the Tender Value, valid for 120 days, obtained from a locally registered Insurance Company or Bank. If the Bidder submit an alternative tender, the one percent (1 %) Bid Bond shall be calculated based on the highest Tender Value. The wording of the Bid Bond shall be as per the prescribed "Form of Bid Bond" included in the Prime Document. <b>For International Companies not registered</b> in Oman, the Bid Bond can be issued from the international company's country of domicile and in the United States Dollar (USD) denomination to the equivalent amount in Omani currency.  Request you to allow to submit a Bid bond from bidder's country of domicile and in the United States Dollar (USD) denomination, if the bidder is an international company registered in Oman. This will enable ease in logistics and reduces the lead time for obtaining the Bid Bond.	Acceptable
8		The detailed list of the equipment the Bidder.....  However, <u>the importing of additional plant and equipment will only be permitted provided the non-availability of the same in the local market is demonstrated to the satisfaction of the Employer.</u>  Request you to clarify whether import of plant and equipment within GCC is permitted without any restrictions.	We understand SEZAD has no restriction on import of plant and equipment within GCC, subject to clearance of other relevant authorities.
9	Volume IV Section 10 Drawings	Material of Construction Guide Piles Piles shall be steel with a minimum wall thickness 15mm.	Minimum wall thickness of pile shall be 15mm.

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	Volume II: C12.4, S8/118	<p>TYPICAL PONTOON LAYOUT AND ELEVATION - DRAWING No. 200720M/MN/T - 19 - R2</p> <p>3 NOS. Ø 457 x 12.7mm Grade 350 Steel pile (19.5m long pile)</p> <p>As per the referred specification, minimum wall thickness of pile shall be 15mm. But as per the referred drawing steel pile wall thickness is shown as 12.7mm thick.</p> <p>Request you to clarify.</p>	
10	Circular No.7 dtd 17.03.16 Query No. 44	<p><b><u>Bidder's Query:</u></b> <b><u>Volume II – Clause 19.6 Page 183</u></b> <b><u>Reclamation</u></b></p> <p>We would like to bring to your notice that significant quantity of fill material may be available during excavation while construction of Road works and this quantity can be used for filling in reclamation area, provided this quantity meets the tender specification. In such a case, please clarify under which present BoQ item it will be operated and if not whether a new item will be introduced during execution, if required.</p> <p><b><u>SEZAD's Response:</u></b> Suitable excavated material from Road Construction complying with the specification can be used.</p> <p>In continuation with referred SEZAD's response, we request you to clarify whether temporary storage of the rock material excavated during execution of Road works is allowed within site boundaries.</p>	<p>Contractor shall propose and obtain approval from One Stop Shop, SEZAD for the use of land.</p>



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11	General	<p>According to answer No.10 in Circular No.(8) it is confirmed that the Bidder has to sign and submit also the Tender Documents included in Volumes I to VI.</p> <p>We would like to know if it is necessary to also include the same (signed) Tender Documents (Vol. I to VI) in case an Alternative proposal is submitted?</p>	
12		<p>As stated in the condition of contract documents 50% of the retention money will be released upon issuing the final payment certificate and the remaining 50% will be released after completion of the 12 months maintenance period.</p> <p>Kindly advise if a bank guarantee for the same value of the retained money covering the 12 months maintenance would be acceptable to release the retained money.</p>	<p>For this project, maintain the current requirement.</p>
13	<p>BOQ , Part 4, Section 4.3 Rock Structure &amp; Protection works, Item # 4.3.12</p>	<p>The actual quantities calculated based on Drawings Ref # 200720M/MN/T-05 R2 and 200720M/MN/T-08 R2 for the Concrete grade C-40 armor units are not in line with BOQ quantities.</p> <p>1) Please clarify the method of measurement for the CORE LOC armor units. Is the installed volume in cu.m (that includes void) the BOQ payable quantity? Is the BOQ quantity means Installed quantity including voids?</p> <p>The actual quantities of Armor units significantly exceed the BOQ quantities.</p>	<p>1) BOQ quantity excludes voids. 2) Quote as per BOQ.</p>





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		<p>2) Please clarify whether we have to quote as per BOQ or actual quantities?</p>	
14	<p>BOQ, Part 4, Section 7 Boat Ramp, Item # 7.2.1 Precast Interlocking concrete blocks (C-40) size 1000 x 1000 x 500 – 11,910 no's</p>	<p><u>Query 2.1</u>: These blocks shall be installed on the boat ramp, however the second area is not clear. To complete the BOQ quantity, please clarify the second area of installation? Also, what area to consider:</p> <p>a) The Land Facility G- Boat Repair yard as per drawing # 200720M/MN/T-21 Concrete (C40) pavement.</p> <p><b>OR</b></p> <p>b) As per Section A-A behind the revetment up to kerb type-A on drawing # 200720M/MN/T-21 Reclamation Bund, revetment &amp; Protection (also the block limits in north are not clearly marked).</p> <p>Please clarify which area and what quantity to be considered.</p>	<p>Quote as per BOQ. Installation as per drawing, specification and direction of the Engineer.</p>
15	<p>BOQ, Part 4, Section 8 Road Work, Item # 8.1 Connecting the Fishery Port to the Fishery Industrial Development with two</p>	<p>Please clarify whether Street Lighting with all the related Sub-Station, Transformer, Panel Boards, Cabling etc. are to be included in the pricing of the Road works or not.</p>	<p>Street lighting and related works are excluded in the lump sum price of the road. A provisional sum for street lighting and related work is provided separately in the BOQ.</p>



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	parking area for veiwimg " Road A"		
16	BOQ, Part 4, Section # 8 Road Work, Item # 8.2 Connecting the two breakwaters "Road B"	<p><u>Query 4.1:</u> There is huge volume of Rock cutting for Road B as per the location and survey co-ordinates given in the drawings. Please clarify:</p> <ol style="list-style-type: none"> <li>1) Whether we have to execute this huge rock cutting for the road or the road shall be realigned to avoid the rock cutting.</li> <li>2) There is rock coming in Fish Harbor area (beside the road B) in the land facility area towards the sea side. Do we have to cut the rocks on the sea side and if yes up to what level to be cut?</li> <li>3) Please clarify whether Street Lighting including all the related Sub-Station, Transformer, Panel Boards, Cabling, etc. is to be included in the pricing of the Road works or not?</li> </ol>	<ol style="list-style-type: none"> <li>1) The road alignment shall remain.</li> <li>2) Yes, rock cutting to accommodate the road and service corridor at level as designed by contractor and approved by the Engineer and the relevant authorities.</li> <li>3) Street lighting and related works are excluded in the lump sum price of the road. A provisional sum for street lighting and related work is provided separately in the BOQ.</li> </ol>
17	BOQ, Part 1, Item # 1.9 Construction of an Access Road from NR 32 to Fiashery Industrial Development.	<p>Does the Access Road needs to be maintained with Safety Barriers &amp; Safety Lighting (similar to diversion rope lighting) for night visibility? If yes, for what period or only throughout the contract period of the project?</p>	<p>Safety barriers and lighting as approved by the relevant authorities shall be provided throughout the contract period of the project.</p>

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18	Volume 1 Prime Document, Section 1 to "Instructions to Bidders" Clause 3.1.21	Please clarify what type of overseas training is expected to be given in the Port Construction & Road works?	Contractor shall propose technical courses/seminars/attachment related to marine/port engineering within the budget provided in the provisional sum.



