

Ref.: DA/2-4/2016/T30/15-13

Date: March 20, 2016

**Circular No. (8)**

Reference: **TENDER 30/2015 – Construction of Fishery Port (Port and 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**

**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 Addendum and attach it as part of their tender submission.
- **Last date** for the further Queries/ Clarifications shall be **Tuesday/22<sup>nd</sup> March 2016.**
- Submission (Closing) Date of tender: **Tuesday/05<sup>th</sup> April 2016 at 12h00, Muscat Time.**

Kind regards

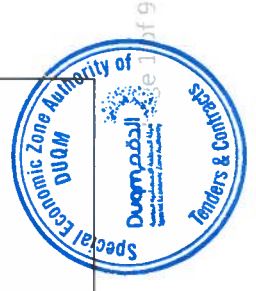
SEZAD, Tenders & Contracts





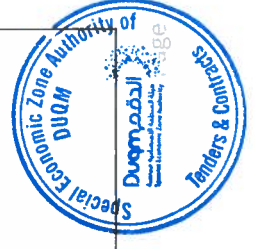
CONSTRUCTION OF FISHERY PORT (MARINE & ROAD RELATED WORKS) AT DUQM  
SULTANATE OF OMAN  
TENDER QUERIES CLARIFICATION

No.	Item in Tender	Queries by Bidders	Response by SEZAD
1	<p>Volume V Please refer drawings - 200720M/MN/T-09 Reclamation bund , revetment &amp; Protection - 200720M/MN/T-05 Cross Section of West Breakwater.</p>	<p>The section E-E provided in the drawing (200720M/MN/T-09) shows west breakwater and revetment as a combined structure made of core (1-1000 kg), while breakwater drawing (200720M/ MN/T-04) shows the same as two distinct structures (breakwater and reclamation fill separated by geotextile). Please clarify.</p>	<p>The sections shown in both the drawings are different. Appropriate sections shall be used to fulfil the purpose.</p>
2	<p>Mathematical Model Study for Proposed Fishery Harbour at Duqm in Oman</p>	<p>Please confirm if the bathymetry used to perform the "Mathematical Model Study for Proposed Fishery Harbour at Duqm in Oman" coincides with the last bathymetry provided by the client (Bathymetric Survey at Shuwayr, Duqm 2016 plane 2000 (CD) .dwg) .  Do they match those bathymetries?  Does the CD of those bathymetries match?</p>	<p>Contractor shall conduct survey and verification prior to any studies and design.</p>
3	<p>According to the "4.5- Codes and Standards" of "Detailed Design Report"</p>	<p>The "Manual on the use of rock in coastal and shoreline engineering" from CUR-154 / CIRIA_ 083 it should be used for the design of breakwaters. The standard indicates a relation, between the filter weights and weight of the elements of the mantle, that it is not fulfilled in the base project.  In addition, the same size of the piece of the mantle would correspond to the same size of filter, not fulfilling the</p>	<p>Shall be addressed during design verification and/or redesign.</p>



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4	BoQ Volume	<p>condition in the reference design, with different filters for the same size of Core-loc.</p> <p>For filters of the breakwaters, should the standard be respected? Or should the filter in reference design be respected?</p> <p>4.4.5 Fusion bonded epoxy coated reinforcement bars of grade Fy 460 all complete Would you indicate where is used this item?</p>	<p>In quay walls, stair etc. as per requirement if any</p>
5	Drawing No. 200720M/MN/T-23 Typical details - Security fence	<p>A <b>Security Fence</b> is shown on Drawing No. 200720M/MN/T-23 Typical details.</p> <p>Please advise whether this security fence is within our scope of work, and if yes provide location and length.</p>	<p>Security fencing is not in scope of work.</p>
6	Drawing No. 200720M/MN/T-13 Drawing No. 200720M/MN/T-14 sheet 1 up to 5, and BOQ item 4.4.3- Transportation, storage and handling of individual blocks with sizes from 5 ton up to 25 tons	<p>As per drawing No. 200720M/MN/T-13, details of quay wall - ROP facility, width of blocks is 2m wide.</p> <p>As per drawings No. 200720M/MN/T-14 sheet 1 up to 5, the smallest size of concrete block is 4X1m, but with no specific width indicated.</p> <p>Please provide details of the following individual blocks noted in BOQ item 4.4.3</p> <p>4.4.3a) Individual block weight less than 5 ton</p> <p>4.4.3b) Individual block weight from 5 ton up to 10 ton</p> <p>4.4.3c) Individual block weight above 10 ton up to 15 ton</p> <p>4.4.3d) Individual block weight above 15 ton up to 20 ton</p>	<p>Both the drawings cover the detail. The Bidder may quote as per BOQ.</p>



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7	BOQ Part 4 item 4.4.8 Quay wall anchor holes	<p>4.4.3e) Individual block weight above 20 ton and up to 25ton</p> <p>4.4.3f) Individual block weight above 25 ton</p> <p>BOQ item 4.4.8 measures: Cast -in place reinforcement/plain concrete tremie concrete (concrete grade C-40) excluding reinforcement in quay wall anchor holes.</p> <p>Please advise the position, dimensions and number of anchor holes.</p>	<p>Bidders shall refer Drawing No. 200720M/MN/T-13.</p> <p>The Contractor shall verify the design and prepare shop drawings for approval of the Engineer/Client.</p>
8	Drawing No. 200720M/MN/T-14 Plan and Elevation of Quay wall (Fishing facilities)	<p><u>Three corner walls</u> are shown on Drawing No. 200720M/MN/T-14 rev. R1, Plan and Elevation of Quay Wall (Fishing Facility).</p> <p>Please provide details of these corner walls</p>	<p>The Contractor shall propose for approval.</p>
9	BOQ Part 1, Item 1.2 - Facilities for the Engineer	<p>BOQ item 1.2 - Facilities for the Engineer.</p> <p>Please advise whether the reclaimed area of the fishing port could be used for the installation of the temporary facilities for the project duration.</p>	<p>Not possible.</p> <p>Contractor to note that the facilities for the Engineer shall be completed within the mobilization period.</p>
10	Instructions to Bidders – Section 1 - page 7 – point 6.0 “Contents of Tender Documents”;	<p>In this point, it is written that “The Bidder ... shall sign, put date and stamp all pages of the Tender Document”.</p> <p>Do you mean that the Bidder has to sign and then submit also the Tender documents included in Volumes from I to VI? Or is it acceptable to sign and submit only the</p>	<p>Confirm. Bidder has to sign and then submit also the Tender documents included in Volumes from I to VI</p>



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No.	Item in Tender	Queries by Bidders	Response by SEZAD
	Instructions to Bidders – Section 1 - page 10 –point 10.0 “Documents comprising Tender”	documents prepared by Bidder and furnished as Volume VII?	
11	Scope of work – Section 2 – page 2.2 – point 2.1	Please confirm that it is necessary to submit (within the Technical Proposal for the Bid) the letter of engagement between Contractor and selected Design consultants	Yes. Mandatory to submit.
12	Scope of work – Section 2 – page 2.5 – point 2.3.4; Drawings – Section 10 - Drg. no. 200720M/MN/T-26 rev. R1	Please confirm that the scope of work of ship lift area is limited to provide a recess as per dimensions shown in Tender drawings	Scope of work includes recess complete with quay wall, revetment and protection.
13	Drawings – Section 10 - Drg. no. 200720M/MN/T-01 rev. R2; Addendum 1 – Topographic Survey - ACAD-Fisheries Industrial Updated Topo 2	Reference is made to the pdf drawing (200720M/MN/T-01 rev 2) issued with the tender documents and the CAD drawing (ACAD-Fisheries Industrial Updated Topo 2) issued in Addendum 1. The fishing harbour layouts (breakwater lengths, layout alignment) are different. Please advise which drawing should be considered in bid submission.	Drg. no. 200720M/MN/T-01 rev. R2
14	Volume 1-Prime Document Technical Proposal Evaluation- Item A S1/17	<b>Experience in design of projects identical to the scope of this over the last 10 years....</b>  If our proposed subcontractor for the design scope does not have the required design experience as a company, but majority of his technical design staff have extensive experience in the design of projects identical to the scope of this project, we would like to know if this is acceptable to satisfy the Technical Evaluation requirement and also to be	Can be considered if the staff have the relevant experience and committed to the project.



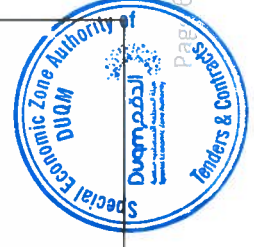


No.	Item in Tender	Queries by Bidders	Response by SEZAD
		acceptable for the design verification and detail design scope after award of the project.	
15	General	Do the access roads to the fishery harbour need to be All-weather roads with culverts or are Irish Crossings sufficient?	Roads shall be all weather road with culverts.
16	General	Provision to be introduced that the Bid Bond to be provided in either in USD or Euro Currency	USD is preferred.
17	Volume VI – Addenda, and or Circular letters(if any) issued by the STC Circular no. 4	<p>Query no. 7: <u>Query by bidders:</u> The Contractor will be in need of a large land, to install its pre-fabrication plant and the stocking yard. This lot should be as much as possible close to the site, north wise .....</p> <p>d) Will this plot have a cost impact to the contractor? <u>Response by SEZAD:</u> a) No... b) Yes... c) No.</p> <p>Yes. Do refer to SEZAD website for land rental fees that SEZAD's One-stop-Shop (as the administrator) would impose.</p> <p>Query no. 42 : <u>Query by bidders:</u> The Contractor shall limit his activities within the site area available. The documents appear not to define this site area available. We understand.....Please confirm?</p> <p><u>Response by SEZAD:</u></p>	<p>It is Contractor's responsibility to propose, seek approval and pay all charges as imposed by Authorities (SEZAD's One Stop Shop for land within SEZD).</p>



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18	<p>Vol. V (Reports and Design References). Portion 3 (Mathematical Model Study for proposed Fishery Harbour at Duqm in Oman 2014)</p> <p>Vol. V (Reports and Design References). Portion 4 (Breakwater Design)</p>	<p>Land for permanent work is secured. For avoidance of doubts, it is the Contractor's responsibility including associated costs to make the necessary arrangement ....as obtained from SEZAD website.(<a href="http://www.duqm.gov.om">www.duqm.gov.om</a>)</p> <p>Queries: Request you to provide us a drawing marking the Battery limits (with coordinates) that will be handed over to the contractor at the commencement of works within which the Contractor has to operate.</p> <p>As per performed design review, breakwaters' design calculations (Portion 4) seems not being based on the most recent metocean data (Portion 3), but in preliminary estimations of linearly propagated waves.</p> <p>We kindly request SEZAD to confirm this interpretation, so design shall be reviewed considering the latest metocean data.</p>	<p>Contractor has to review based on latest met ocean data and numerical modelling data.</p>
19	<p>V Portion 5 Quay Wall Design- Type I, Type II , Type III, Type IV and Type V</p> <p>5V Portion 6 Design of Ship Lift Pavement Design, Quay Wall A, Quay Wall B and Quay Wall C Design</p> <p>Vol IV- Drawings</p>	<p>Some inconsistencies have been found between cross sections indicated in design quay wall documents and cross sections indicated in drawings.</p> <p>We kindly request SEZAD to confirm that drawings design prevails over the documents description.</p>	<p>Contractor is required to verify and make the necessary adjustment for Engineer/Client approval.</p>





No.	Item in Tender	Queries by Bidders	Response by SEZAD
20	Road Design	<p>Please provide the following:</p> <ul style="list-style-type: none"> <li>· External road network connected to the development.</li> <li>· Limit of work for roads tie-in.</li> <li>· Provide the design criteria for the surface runoff drainage system described under item 2.3.9. Shall the Contractor follow Oman Highway Design Standards 2010?</li> </ul>	<ul style="list-style-type: none"> <li>• At present no road network within the vicinity.</li> <li>• LOW for Road A is from Point A to Road B. LOW for Road B will be indicated in drawing.</li> <li>• Yes. Oman Highway Design Standards 2010 shall be followed.</li> </ul>
21	General	<p>The cyclone waves determined in the mathematical wave study by Lanka Hydraulic (March 2014) have obviously been neglected in the tender Addendum no.2, <b>Please confirm.</b></p>	<p>Confirm. Contractor to consider this in the design verification.</p>
22	General	<p>For the time being, the bidders cannot check the suitability of the design incl. potential optimizations. The design waves will however be required amongst others to confirm the stability of the breakwaters in physical model tests. Please confirm therefore also which of the wave data (extreme waves, no cyclones), i) according to the breakwater design report (CES, August 2013), or ii) according to Lanka Hydraulic (March 2014) shall be used.</p> <p>and</p> <p>It states that the stability of cross section should be designed in order to support the waves due to cyclones conditions, however the Client considers the wave height under ultimate condition for a 100 years return period.</p>	<p>The design shall be based on 100YRP wave conditions either cyclonic or non-cyclonic whichever is critical. The physical modelling shall also cover the extreme cyclonic condition for the assessment of the design. Based on the above the Contractor and Engineer/Client shall take a decision on it.</p> <p>The Contractor is deemed to verify and re-do and /or re-design whatever required.</p>



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23	Circular N°4. Question 23	Please, confirm whether the wave height to be used is the one corresponding to cyclone events or, on the contrary, the wave height should correspond to the ultimate condition. It states that the preliminary EIA has been carried out and shall be available. Please provide.	EIA report shall be provided to the successful Contractor.
24	Circular 7 , Queries clarification No 11 Volume 1: Prime Document Clause 34.6 & Clause 23 (4)	Clause 34.6 A written statement of the Bidder shall accompany any alternative tender that he shall, before entering into a contract for such an alternative, provide the Employer with indemnity insurance for the total Contract Value to cover this responsibility for the design for a period of 10 years after the maintenance period Clause 23 (4) : "Professional Indemnity Insurance": (6)"The Contractor shall affect Professional Indemnity Insurance, which shall cover the risk of professional negligence in the design of the Works. This insurance shall be for a limit of not less than that stated in the Appendix to Bid. The Contractor shall maintain the Professional Indemnity Insurance in full force and effect until 10 years after the issuance of the Performance Certificate. The Contractor undertakes to notify the Employer promptly of any difficulty with maintaining this insurance in effect. Queries : We understand that such Indemnity Insurance (as per the referred clause 34.6) is for Design Responsibility and hence, Professional Indemnity Insurance as applicable for Base offer will not be applicable for Alternative Offer. Please confirm	Replace Response by SEZAD in Circular 7 , Queries clarification No 11 "Professional Indemnity Insurance is applicable for Base offer as well as alternative offer since in both cases the design responsibility lies with the Contractor.



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25	Bills Of Quantities – Section 9 - Part 4 – page 4.5 – Item 5,2; Drawings – Section 10 - Drg. no. 200720M/MN/T-18 rev. R1	In Bills of Quantities, bollards capacity is indicated as 40 ton; in the project drawing (see notes), this value is designed as 20 ton. Can you please define the exact value to be quoted in the BOQ?	Price as per BOQ.
26	Drawings – Section 10 - Drg. no. 200720M/MN/T-18 rev. R1	Please provide the berthing layout [whether it is single, double or triple berthing system]. This is required for estimating the bollard and fender load.	General practice of berthing is of longitudinal wise, three vessels abreast. Price as per the BOQ.



