

الدقم Duqm

هيئة المنطقة الاقتصادية الخاصة
Special Economic Zone Authority

Sultanate of Oman

سلطنة عُمان



Ref.: DA/2-4/2016/T30/15-8

Date: March 07, 2016

Circular No. (6)

Reference: TENDER 30/2015 – Construction of Fishery Port (Port and Road Related Work) at

Duqm

Tender Documents Collection date: 11 th Jan 2016	Submission date: Tuesday/08 th March 2016
Site Visit: 26 th Jan 2016	<u>1st Revised Submission Date: Tue/05th April 2016</u>

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 records.

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/08th March 2016.
- Submission (Closing) Date of tender: Tuesday/05th April 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	The Core-loc" is a patent registered product kindly clarify if the client already has the license to utilize the product ,if no then which party will be responsible for paying the royalty fees for the license	No, SEZAD does not have the license to utilize the product. The Construction Contractor will be responsible for any royalty charge, license fees etc. applicable to utilize the patented products and the Contractor shall include allowance for these in their quoted rates.
2	General	Kindly Clarify if obtaining the Construction permits is part of the Contractors scope of work	Yes, obtaining the construction permits is part of the Contractor's scope of work
3	General	In the Instruction to Tender, it is mentioned that the scope of the contractor includes the design verification. However in the particular condition it is mentioned that complete design is required kindly clarify	Kindly refer to Tender Document on the scope of work regarding design verification and complete design.
4	General	Can we propose Aluminium , GRP or an alternative pontoon system instead of Concrete pontoon	Yes, Contractor may submit alternative in addition to Base Offer.
5	General	Dredging and excavation in the dry is it acceptable	Acceptable.
6	General	Casting of concrete can it be done at site	Yes, subject to complying with all the requirements of the Contract.
7	General	What is the royalty fees for the area which will be used for labour camp, casting yard etc.	Contractor shall check the royalty fee with SEZAD (One Stop Shop) for areas within jurisdiction of SEZAD and local authorities for outside SEZAD areas.
8	General	Ground improvement is the required for the quay wall	Yes, to comply with the requirements as specified.
9	General	Will SEZAD be able to provide or assist in provision for the construction and drinking water requirement from within the existing arrangement available in Duqm?	Contractor shall liaise with SEZAD's One-Stop-Shop (OSS) in the applications for water within SEZD.

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

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10	General	Is there any proposal by SEZAD for providing electricity connectivity to the Fishery Port? If so by when is it anticipated to be executed? if electricity connectivity is provided for the port within the project period , will electricity be made available for the project?	Contractor has to liaise with service provider for electricity supply.
11	General	Please provide the document "Standard Documents for Building and Civil Engineering Works, Fourth Edition September 1999".	Bidders are deemed to possess this document. It is available in the market. It is available with 'Oman Stationaries', Road No.7, Opposite REEM Battery Factory, Gala Industrial Estate, Muscat.
12	General	Please provide the drawing showing location for the Precast yard.	Contractor shall source for his own site/location, obtain all approvals and permits for the Precast yard.
13	General	From which quarries the rocks which has been used in the breakwaters of the existing commercial port of Duqm has been prepared and how much is the distance between these quarries to the fishery port?	We are unable to provide the requested information.
14	General	We intend to transport some of our machineries from our country to the fishery port. Please clarify; can we use the existing commercial port of Duqm for this matter?	The Contractor shall liaise with Duqm Port on commercial and other terms.
15	General	Please provide the key milestone dates and the anticipated award date.	Anticipated award date is not fixed.
16	General	It is assumed that no site access passes and related charges are applicable for our manpower and equipment. Please confirm.	Contractor shall liaise with SEZAD One Stop Shop for the requirements.



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SULTANATE OF OMAN
TENDER QUERIES CLARIFICATION

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17	General	<p>Please advise if there are any restrictions being implemented for entering the site from the sea and the land.</p> <p>Our assessment suggests that the total catchment area that needs to be considered for wadi diversion is up to 1250Ha. Please advise if this is correct and the drainage design should allow for the entire amount. See figure below.</p> 	Contractor shall substantiate the basis of the catchment area for Engineer/Client approval.
18	General	It is Contractor understands that design responsibility for the unit price items are not with the Tenderer during the tender stage.	Confirmed.



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

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		However, after the award of the Contract, Contractor will conduct design verification works and after these studies, Contractor will get all the design responsibility. Please kindly confirm.	
19	General	Please advise applicable inspections and approvals for marine and land equipments.	All such marine and land equipment are subjected to inspections and approvals for safe use at site, complying to prevailing standards and requirements.
20	General	Please provide how much space needs to be provided for the service corridors. It is understood that the corridors will run at a similar level as the road. Also please advise if the width of the road needs to be increased for this or the shoulder and verge width can be utilised for this purpose.	Contractor shall check with the utilities providers on the space required and the use of shoulder and verge for the utilities.
21	Temporary Site office & Laydown area	Please provide the drawing showing location for the Temporary site office & laydown area	Contractor shall source for his own site/location for the temporary site office & laydown area
22	Tender Circular No.3 , Item no. 8 response	With reference to the Circular No.3 , item no. 8 response, we understand that the quantities are remeasurable for the port area items like dredging, rockworks, quay wall, etc. and Lump sum for road works, Drainage works and Slope stabilization. Please confirm/clarify.	Confirmed, based on breakdown as specified in BOQ.
23	Volume I -- Prime Document Section 6 & 6a- Forms & List of Drawings	List of Major Works of Similar Nature Completed within Past 10 years : Can you please confirm that it is acceptable to also use references of subsidiaries of the Bidder (100% ownership) to qualify as eligible?	Acceptable
24	volume I, portion 3, section 2.1 "Scope of Work", (page S2/2):	Please clarify the requirement mentioned "The design calculations and drawings shall be endorsed by a registered C&S Professional /Chartered Engineer,".	Yes, local registered firm (in Oman) shall carry out the required endorsement.



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25	<p>Clause 3 ITT Prime Document Page S/1</p>	<p>Do we need a local registered firm (in Oman) to carry out the required endorsement? Tender Security will have to be in any one of the form as specified in the tender Document and shall have to be valid 120 (one Hundred twenty) days beyond the date of validity of the tender. For international companies not registered 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. Query: Can the International Partner of the JV issue their share of bid bond in Foreign Currency (say Euro)?</p>	<p>USD currency is the required currency; regrettably 'not Euro'. The partners would have to arrange amongst themselves to provide the USD-denominated Bid Bond.</p>
26	<p>Vol I: Section 2: SOW Vol III- BOQ: Part 4</p>	<p>Ref. to Clause 2.1.4 of the SOW and BOQ Item 4.1.2, please provide the location of the offshore disposal area. Also please confirm if onshore disposal of the unsuitable dredged material is allowed. If so, please provide the location of the onshore disposal area.</p>	<p>Contractor shall source and obtain all permits for onshore and offshore disposal areas.</p>
27	<p>Volume 1 - Prime Document; Section 2; Scope of Work and Volume 3 - Bill of Quantities (Item No. 2.2.1 - Skiff Beach</p>	<p>Bidder brings to your notice, that there is no mention of Skiff beach construction in the scope of works, however Skiff beach engineering has been mentioned in the Engineering design and verification under item 2.2.1 as per BOQ. Please clarify & kindly confirm whether skiff beach is in the bidders scope of works.</p>	<p>Confirmed, skiff beach is in the scope of works. Refer to Detail Design Report August 2013 Clause 4.1.2.4.</p>

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

No	Item in Tender	Queries by Bidders	Response by SEZAD
28	Conditions of Contract clause 44 Page no 32	Bidder request to add the following at the end: (a) Variation (unless an adjustment to the Time for Completion has been agreed or other substantial change in the quantity of an item of work included in the Contract. (b) a cause of delay giving an entitlement to extension of time under a Sub-Clause of these Conditions. (c) Exceptionally adverse climatic conditions. (d) Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions. or (e) any delay, impediment or prevention caused by or attributable to the Employer, the Employer's Personnel. or the Employer's other contractors on the Site.	No addition or alteration to the conditions of contract is accepted. The conditions will remain at its entity.
29	Conditions of Contract clause 44 Page no 32	What are the conditions under which an EOT can be applied by contractor?	
30	ITT Section 4 - Appendix to Form of Tender - Amount of Penalty for Delay	The limit of penalty is very high. Request to reduce the same to 5%	
31	Conditions of Contract clause 52(1) Page no 36	Bidder request add the following at the end of para: If any dispute persist in relation to rates of the extra additional work same shall be resolved by dispute resolution mechanism.	
32	Conditions of Contract clause 52(3) Page no 37	Bidder request to add at the end of this para that in case of dispute, the same shall be refer to dispute resolution	



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SULTANATE OF OMAN
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33	Conditions of Contract clause 70 Page no 56 – Changes in cost and legislation	Bidder assume that contractor shall be provided Extension of time due to such changes in legislation. Please confirm.	
34	Conditions of Contract clause 20(3) Page no 22	Bidder presume that contractor shall be given Extension of time due to delay caused by such Special risks. Please confirm.	
35	Conditions of Contract clause 65(8) Page no 53	Bidder requests to add the following : (d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost); and (e) the Cost of repatriation of the Contractor's staff and labour employed wholly in connection with the Works at the date of termination. In pt (c) please delete "for which the Employer shall have derived benefit"	
36	Conditions of Contract clause 40(1) Page no 31	Bidder requests add the following at the end of para: "If due to such suspension, not accountable to the contractor, and if contractor works delays due to such suspension, suitable EOT Shall also be given to the contractor for completion of such the affected works"	
37	Conditions clause 40(1) Page no 31	Bidder presume that contractor shall be given Extension of time due to delay caused by such suspension. Please confirm	
38	Conditions clause 67 Page no 54	Bidder requests for ICC Arbitration with Neutral seat .	
39	ITT Section 4 - Appendix to Form of Tender - Percentage of Retention Money	Bidder request to submit Bank Guarantee in lieu of Cash Retention.	
40	Conditions of Contract clause 12 (3) Page no 18	Bidder requests to add the following at the end of para: "If and to the extent that the Contractor encounters physical conditions and suffers delay due to these conditions the Contractor shall be entitled an extension of time for any such delay, if completion is or will be delayed."	



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41	<p>Vol I- Prime Document Section 1: ITT Section 2: SOW</p> <p>Vol II- General Particulars and Requirements Section 7</p> <p>Vol III- BOQ Part 2: Engineering Verification and Design</p>	<p>Ref. to Section 1: ITT Clause 1.2 it states that "the work broadly consists of the design verification and construction of ..." Further ref. to BOQ Item 2.1 it states "to perform Engineering Verification including all calculations, modifications, drawings..."</p> <p>Whereas, ref. to the General Particulars and Requirements Clause C1.3 Scope of Works Sub-clause (a), it states that "the preparation of design and drawings for the permanent works - where the responsibility of preparation of design and drawings is with the Contractor".</p> <p>For the sake of clarity, Contractor understands that its design scope is limited to verification of the provided tender design and considers that the port layout is fit for its purposes. Please confirm.</p>	<p>The Contractor has to verify the design provided. If it is not satisfactory the Contractor has to re-design. The Contractor has to design all the components of which the design is not supplied.</p> <p>All the design shall be approved by the Engineer and Client and all the design responsibility lies with the Contractor.</p>
42	<p>Clause 2.1.11 Prime Document Page S2/3</p>	<p>Design and construction of roads including trial pits as necessary, culverts, side drain (concrete lined), side slope stabilization, side slope protection, interlock footpath, traffic signs, road marking, road connection, concrete safety barriers and guardrails etc. to connect the Fishery Industrial Development to Fishery Port "Road A" with additional climbing lane as necessary and two parking areas for viewing as specified and connecting the two breakwaters "Road B".</p> <p>Road A shall not abut the coast and be exposed to the open sea.</p>	<p>Addendum shall be issued.</p>



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
		Query The Grid Reference of Point A which is to be connected by Road A may please be intimated. If feasible an AutoCAD file showing the contour is also requested	
43	Volume II : Section 7- General Particulars and Requirements C1.7-Area for the Contractor Page. S7/4	The Contractor shall limit his activities within the site area available. The documents appear not to define this site area available.	It is the Contractor's responsibility to confine his activities within the site area as far as possible, Contractor shall obtain permission and approval from authorities for the use of land.
44	Volume 2: General Particulars & Requirements Section-8 Specifications Clause C8.0 Pages S8/52	The grade of concrete for all pre-cast units of quay wall shall be C - 40. Material, mixing, placing, compaction, curing, quality and testing of concrete shall be in accordance with Clause 400: Concrete. Clause 400 is not found in the documentation, assumed clause 5.0 of the same document (Vol.2 Section-8 Specifications). Please confirm.	Confirmed.
45	Volume 2: General Particulars & Requirements Section-8 Specifications Clause C8.0 ,Pages no S8/56	Crushed rock shall comply with the Clause 500 of this Specification and shall be of the sizes shown on the drawings. Clause 500 is not found in the documentation, assumed to be clause 6.0 of the same document (Vol.2 Section-8 Specifications). Please confirm.	Confirmed.
46	Volume II, portion page S8/132, section 14.1,	Re the mathematical and physical modelling studies: The Contractor should present the details of the proposed Institute / Laboratory facilities available with them for the physical model studies. Does the authority will provide a list of approved laboratories?	Contractor shall propose for Engineer/Client approval



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47	Vol II- Section 1: ITT	Ref. to Clause C1.5 Temporary Fencing, etc., please provide the hoarding dimension, specs, etc.	The hoarding dimension and specification has to comply with the prevailing standards in the Sultanate of Oman.
48	Vol II- Section 1: ITT	Ref. to Clause C1.6 Existing Services, considering the non-availability of information, Bidder requests that this item be made provisional. Please confirm.	This is to be assessed at site by the bidder. The quoted price shall be deemed as inclusive of this item.
49	Vol II- Section 1: ITT	Ref. to Clause C1.14 Office Accommodation and Facilities for the Engineer and the Employer, please provide the anticipated numbers of Engineer and Employer staffs to be accommodated.	Kindly refers Section 7 C1.54 & C1.55. Anticipated around 16 staff for office and around 12 staff for accommodation.
50	Volume 2: General Particulars & Requirements Section-8 Materials & Workmanship, Clause C12.12, Pages no S8/128	Design Loads: (a) Bridges shall be designed to support a live loading of 5.0 kN/m ² over the deck and the facilities shown on the Drawings including carriageway and services. International code (like Australian Standard: Guidelines for design of marinas") calls for only 4 kN/m ² . Can we adopt 4 kN/m ² instead of 5 kN/m ² ?	No change in live loading of 5 kN/m ² .
51	Volume 2: General Particulars & Requirements Section-8 Specifications Materials & Workmanship Clause C12.12 Pages no S8/128	Dead loads plus wind loads from a gust of 80 m/sec with and without deck loading. The wind load indicated seems to be quite high. We assume that, it should be read as 80km/hr. Please confirm.	This shall be taken as 50m/sec
52	Clause 2.1.10	Surface runoff drainage system at the Toe of the slope fronting the fishery port, diverting the run off to both sides of the breakwater and cut off drainage system at the top of the slope to divert any surface runoff from wadi, etc. . . away from the fishery Port ; Prime Document Pages S2/3	10 years return period.



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

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53	Volume 2: General Particulars & Requirements Section 1: General Particulars & requirements, Clause 1.4 ii. a)Pages no S7/3	For the Design of the drainage system what is the flood return period, which has to be considered? Mean Higher High Water Level (+) 2.31 m (as opted in present design) Volume 5: Reports & Design References Portion 4, Breakwater Design calculation Shows MHHWL (+) 2.53 m, please clarify.	This requires finalisation before review and re-design
54	Volume 2 : General Particulars and Requirements, Specifications Item C19.3	The ERs state that fine material shall allow for not more than 5 percent fines. We believe this is unreasonable and would result in excessive cost for the Employer. Functional requirements for a Fishing Harbour with proposed building infrastructure can be met by using a higher percentage fines. Please advise whether the ER requirements are to be strictly followed in this case	The Clause C19.3 (d) amended as follows : Percentage passing 63 micron sieve 10% maximum.
55	Volume II -Specifications	We note from the tender documents that laminated lime stone as present in duqm is not permissible for use in armour rock production. However, the same rock was used for production of armoured rocks for original Duqm Port project. Please confirm if the rock from duqm for armour rock production for fishery port will be permitted or not.	The stones used shall comply with the standards and specification.
56	BOQ, PART 4, SECTION 4, ITEM 4.3.5	Refer to BOQ, page 4.2, item 4.3.5 a & b mentioned supply and place primary armour (0.3 t- 0.5 ton and 1.5 t- 2.5t), whereas these items are not shown in the drawing. Please clarify the location of these armour stones.	This item is kept to meet any requirement during design review.
57	BOQ, PART 4, SECTION 4, ITEM 4.3.14	Refer to BOQ page 4.3 item 4.3.14, trench excavation, please clarify the location in the drawing for this item.	Excavation of unsuitable material below rock structure in case of requirement.



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

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58	BOQ, PART 4, SECTION 4, ITEM 4.4.7	Refer to BOQ page 4.4 item 4.4.7 and detail drawing 200720M/MN/T-23 Rev. R0 mentioned about Kerb type I & II, whereas there is no layout drawing. Please provide the layout drawing showing the Kerb type I & II.	C40 Pre-cast concrete kerb along Quay face all complete as per drawing, specification and direction of Engineer. To be finalised during review of design and execution.
59	BOQ, PART 4, SECTION 4, ITEM 4.4.8	Refer to BOQ page 4.4 item 4.4.8 the quantity seems to be high compared the quantity taken from drawing for the quay wall anchor holes; please clarify/confirm the location.	Bidder shall quote as per BOQ
60	Volume III: Bill of Quantities Part 4 Procurement, construction & Completion, Clause 4.3.12,	Concrete Grade C-40 for Armour unit Please clarify, if concrete grade for alternate concrete armour can be adopted as per patent holder specifications.	Yes, Contractor may submit alternative in addition to Base Offer.
61	BOQ, Part 4, Section 6, item 6.1	mentioned 6 no's of pontoons, whereas in the drawing 200720M/MN/T-01 shows Landing Pontoons -5nos (4 nos near boat ramp area & 1 no near ROP coast guard) and Landing Pontoon Future provision-1no (near Boat ramp area). Please clarify that whether the quantity of pontoons are 5 nos. or 6 nos.	Total of 6 Nos of pontoons - 5 Nos for Fishery and 1 Nos for ROP.
62	BOQ, PART 4, SECTION 5, ITEM 5.3	mentioned supply of stainless steel Mooring Rings made of 32mm dia of Grade 316 S-33 confirming to BS 970 part 1 & ring dia 225 OD including fixing to the location with stainless steel eye hook as per specifications and drawings, whereas there is no drawing or specification provided. Please provide the drawing & specifications for the same.	Contractor shall propose for Engineer/Client approval.
63	Volume III: Bill of Quantities, Part 4: Item No. 4.3.4,	Supply and fill secondary armour (0.1 ton to 1.3-ton stones). Unit is not given in the Bill of Quantities. Please provide "unit" for the above BOQ item.	For Item No 4.3.4 Supply and fill secondary armour (0.1 ton to 1.3-ton stones) unit shall be "Cum "



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64	Volume III: Bill of Quantities Procurement, Construction and Completion,	<p>b) Reclamation work with imported granular fill material. Quantity of 2,448,000 cum is given. Kindly specify the borrow pit location.</p> <p>Kindly specify the quarry location to produce stones required for the rock structure and protection works.</p>	<p>The Contractor is fully responsible for locating sources of borrow and quarry material at his own cost, including locating, testing, processing and hauling suitable material for use in works, and payment of all royalties, fees etc. This applies to areas within and outside the jurisdiction of SEZAD.</p>
65	Base vs Alternative Proposal "Queries no. 1_09-02-16.pdf"	<p>Please kindly further clarify the answer</p> <p>If the Contractor decides to change the designs of Quay Wall (ex: Sizes of blocks, etc...) or Breakwater during the tender stage to meet the design requirements, will it be considered as Base Proposal or Alternative Proposal?</p> <p>It shall be noted that any design change will also change BOQ quantities hence each Contractor will have different quantities for Base Proposal.</p>	<p>Considered as Alternative Proposal</p>
66	Vol I- Section 2: SOW Vol III- BOQ, Part 4:	<p>Ref. to SOW Sub-clause 2.1.12 and BOQ Item 10 for Stabilizing the cliff slope fronting the surface of the Fishery Port, Employer/Engineer informed the Bidders during the site visit on 26-Jan-16 that an onshore soil investigation campaign is being carried out. Please provide the results of such investigation if it's already available.</p>	<p>No onshore soil investigation campaign is carried out.</p>
67	Volume 3: Bill of Quantities Part 4 : Procurement, Construction and Completion, Clause 4.4.7 Pages no 4.4	<p>C40 Pre-cast concrete kerb along quay face all complete kerb along quay face all complete Kerb Type I Kerb Type II</p>	<p>Refer to Drg. T-23.</p>



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SULTANATE OF OMAN
TENDER QUERIES CLARIFICATION

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		The details of kerb given in drawg.no. 200720M/MN/T-22 R2 has different nomenclature as Type A, A.1, B & C. Please Clarify.	
68	Volume III, Bill of Quantities, Part 4, Page No. 4.4, Item No. 4.4.6	"Expansion joint all complete as required and accordance to approved vendor specifications and direction of the engineer in quay wall;" could you provide detailed drawings for the cross sections and location of the expansion joint and the related specification.	The Contractor shall work out and propose for Engineer and Client approval. These joints shall be provided on the quay wall capping and any other mass concrete.
69	Volume III: Bill of Quantities, Part 4: Procurement, Construction and Completion, Page 4.7, Item No. 8.2 . Volume II: Specification, Page S8/66, 4 th paragraph states	Connecting the two breakwaters "Road B". "Proposed road connecting the two breakwaters, Road B, shall have minimum of 25m service corridor from the paved shoulder to the toe of the hills on the land side. There shall be lined channel at toe of the slope and retaining structure for protection such as gabion wall or reinforced concrete wall as necessary. The minimum width of the unpaved shoulder shall not be less than 5m from the paved shoulder towards the sea. Volume III: Drawings, Drawing No. 2007720M/MN/T-23 (Rev- R0). Roadway width 16.5m is shown in the Typical of Bituminous Pavement within fishery harbour. Kindly confirm the Right of way width is 46.5m as per the detail given below: Service Corridor : 25m, (paved shoulder to the toe of the hills on land side)	The right of way shall be arrived for two way two lane carriage way plus shoulders etc. as per standards and service corridor 25m.

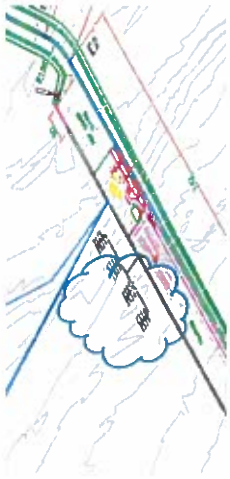


CONSTRUCTION OF FISHERY PORT (MARINE & ROAD RELATED WORKS) AT DUQM
SULTANATE OF OMAN
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		Roadway width : 16.5m, As per dimension given in drawing 5.0m(towards sea). Total 46.5m	
70	Volume 4: Drawings DRG. NO. 200720M/MN/T-01 Rev.R2	Buildings mentioned in landside facilities in the drawing are not covered in Volume 3: Bill of Quantities. We understand that buildings are not part of this tender scope. Please confirm.	Confirmed, Buildings mentioned in landside facilities in the drawing are not part of this tender scope.
71	Volume 4: Drawings DRG. NO. 200720M/MN/T-13 Rev.R1	The same type of drawing showing the schedule and elevation details for Fishing facility & Dock Lay By Berth Quay Walls shall be shared, if available.	No such drawings are available.
72	Volume IV - Drawings Dwg. No. 200720M/MN/T-23 Rev. R0	The drawing indicates Typical Cross Section of Bituminous Pavement within the Fishery Port. Request to clarify the following: 1) We understand that the provided cross section is for RoadB 2) Request to provide the similar details for Road A also.	Addendum shall be issued .
73	Volume IV - Drawings Dwg. No. 200720M/MN/MISC -01 Rev. R1	The drawing indicates details of concrete steps on breakwater. Please confirm quantity for this is included in Bill of Quantity.	Confirm and included in BOQ Part 4,item 5.5.



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74	Drawing 200720M/MN/T-01	<p>Refer to the Layout drawing 200720M/MN/T-01 shows Pontoons at Tourism area. We assume that these Pontoons are not in our scope of work, please confirm/provide the details.</p> 	Marina Facilities at Tourism area is not in the Scope of Work.
75	Drawing 200720M/MN/T-05 & -08 Rev. R2	Refer to drawing number 200720M/MN/T-05 & -08 Rev. R2, shows the 0.5t-1.5t size of rock for the toe berm, whereas in the BOQ item 4.3.3 mentioned the size as 0.1 t- 1.5t .Please clarify	Rock size specified in drawing 200720M/MN/T-05 & -08 Rev. R2 shall be 0.5t to 1.5t and included in same BOQ item 4.3.3.
76	Drawing 200720M/MN/T-08 Rev. R2	Refer to drawing 200720M/MN/T-05 & -08 Rev. R2, shows filter layer (1kg-200kg) below the Toe berm, whereas the thickness is not mentioned. Please provide the thickness of these filter layer.	Filter layer thickness of 200mm to be considered
77	Volume 4: Drawings DRG. NO. 200720M/MN/T-27 Rev.R1	The dimensions of dock lay by berth block wall (type I, II & III) used in calculation (Vol. V Portion 5 & 6) are not matching with the drawings provided. The block wall for dock lay by berth location will be designed with reference to tender drawing available (Drawing No. T-27). Please confirm.	Kindly refer Circular 4, Queries clarification 2, item 39.
78	Drawing 09 , Reclamation Bund , Revetment and Protection Drawing No 200720M/MN/T-09	Section A-A and Section E-E in drawing 200720M/MN/T-09 does not match the interlocking plan of the area	Bidders shall quote as per BOQ. The details shall be finalised during review and approval of the design.



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
79	Drawing 09 & 21 Reclamation Bund , Revetment and Protection Drawing No 200720M/MN/T-09	<p>Query 1 East Breakwater Reclaimed Area : c Detail about surface pavement at level +4.00 among section B-B and Section C-C may be provided</p> <p>Query 2 Reclamation bund revetment and protection detail of south slope for reclaimed area from Quay wall Dock C to Plot K</p>	<p>Bidders shall quote as per BOQ.</p> <p>The details shall be finalised during review and approval of the design.</p>
80	Drawing No. 12 Quay Wall Details – Sheet 2 of 2	Quay Wall Details Sheet 1 of 2 is not given in the drawing folder. It is requested that the same may please be made available.	Please treat this as VOID
81	Drawing 200720M/MN/T-20	Referring to the drawing 200720M/MN/T-20, which shows 1Kg to 300Kg Rock Fill Core to receive 200 mm thick Gravel base, whereas this item is not measured in BOQ, Please clarify.	Bidders shall quote as per BOQ. This item included in the core 1 to 1000kg.
82	Drawing 200720M/MN/T-02	Refer to the Drawing 200720M/MN/T-02 shows the width of road B (connecting the two breakwaters) is 7.0m, whereas the drawing 200720M/MN/T-23, Typical section shows 16m wide carriageway. We assume that the required width of carriageway for Road B is 7.0m, please confirm/clarify.	The road shall comply with Access Urban Road- Design Group E3, Sultanate of Oman, Highway Design Standard 2010. Refer to HDS June 2010 (Fig 3.2.2.8) for width of carriageway, shoulder and side walk. Shoulder width is 2.5m.
83	Drawing 200720M/MN/T-23	Refer to the Drawing 200720M/MN/T-23 shows Security Fence Details, whereas there is no layout drawing or BOQ item for the security fence. We assume that security fence is not in our scope of work, please confirm/provide the drawings & BOQ.	Fencing is not in Scope of Work.
84	Drawing 21 , Surface layout and Detail Plan Drawing No 200720M/MN/T-21	<p>Interlock for pavement and parking for the breakwater and reclaimed area is shown in the drawing but no BOQ item is available . Request include the same.</p> <p>Asphalt road is shown in breakwater and reclaimed area but layer profile is not given . Also no BOQ item is available</p>	<p>Interlock for pavement and parking area in the breakwater and reclaimed area are not included in the Scope of Work.</p>

No	Item in Tender	Queries by Bidders	Response by SEZAD															
85	<p>Drg.No. 200720M/MN/T-05 & Drg.No. 200720M/MN/T-08</p>	<p>Provided dimensions on the breakwater cross sections does not match with the actual geometry.</p> <table border="1" data-bbox="375 526 1077 1769"> <thead> <tr> <th data-bbox="375 526 438 616">Section</th> <th data-bbox="375 616 438 801">Drawing</th> <th data-bbox="375 801 438 1512">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="438 526 478 616">B1-B1</td> <td data-bbox="438 616 478 801">Crest Width: 6.44m Core Top Width: 11.41m <i>(Mistake results from wrong Core-Loc and Underlayer thicknesses put on the drawings)</i></td> <td data-bbox="438 801 478 1512">If Crest Width: 6.44m Then, Core Top Width: 9.37m <i>Or</i> If Core Top Width: 11.41m Then, Crest Width: 8.40m</td> </tr> <tr> <td data-bbox="478 526 518 616">B2-B2</td> <td data-bbox="478 616 518 801">Side Slope (Left): 4/3</td> <td data-bbox="478 801 518 1512">Side Slope (Left): 3/2</td> </tr> <tr> <td data-bbox="518 526 558 616">B3-B3</td> <td data-bbox="518 616 558 801">Side Slope (Left): 4/3. Side Slope (Right): 4/3</td> <td data-bbox="518 801 558 1512">Side Slope (Left): 3/2 Side Slope (Right): 3/2</td> </tr> <tr> <td data-bbox="558 526 598 616">B4-B4</td> <td data-bbox="558 616 598 801">Side Slope (Right): 4/3</td> <td data-bbox="558 801 598 1512">Side Slope (Right): 3/2</td> </tr> </tbody> </table>	Section	Drawing	Actual	B1-B1	Crest Width: 6.44m Core Top Width: 11.41m <i>(Mistake results from wrong Core-Loc and Underlayer thicknesses put on the drawings)</i>	If Crest Width: 6.44m Then, Core Top Width: 9.37m <i>Or</i> If Core Top Width: 11.41m Then, Crest Width: 8.40m	B2-B2	Side Slope (Left): 4/3	Side Slope (Left): 3/2	B3-B3	Side Slope (Left): 4/3. Side Slope (Right): 4/3	Side Slope (Left): 3/2 Side Slope (Right): 3/2	B4-B4	Side Slope (Right): 4/3	Side Slope (Right): 3/2	<ul style="list-style-type: none"> For B1-B1, crest width will govern. For B2-B2: side slope to be taken as taken 4/3 For B3-B3: side slope to be taken 4/3 (for both left and right) For B4-B4: side slope to be taken as taken 4/3
Section	Drawing	Actual																
B1-B1	Crest Width: 6.44m Core Top Width: 11.41m <i>(Mistake results from wrong Core-Loc and Underlayer thicknesses put on the drawings)</i>	If Crest Width: 6.44m Then, Core Top Width: 9.37m <i>Or</i> If Core Top Width: 11.41m Then, Crest Width: 8.40m																
B2-B2	Side Slope (Left): 4/3	Side Slope (Left): 3/2																
B3-B3	Side Slope (Left): 4/3. Side Slope (Right): 4/3	Side Slope (Left): 3/2 Side Slope (Right): 3/2																
B4-B4	Side Slope (Right): 4/3	Side Slope (Right): 3/2																



No	Item in Tender	Queries by Bidders	Response by SEZAD
86	<p>Addendum 1 – Bathymetric Survey 1000 (MSL).dwg vs 2000 (CD).dwg</p>	<p>To be able to calculate the actuals, please kindly clarify which of the following dimensions shall be taken as requirement:</p> <ul style="list-style-type: none"> - For B1-B1: Shall “Crest Width” or “Core Top Width” govern? - For B2-B2: Shall Side Slope (Left) be taken 4/3 or 3/2? - For B3-B3: Shall Side Slope (Left) be taken 4/3 or 3/2? - For B3-B3: Shall Side Slope (Right) be taken 4/3 or 3/2? - For B4-B4: Shall Side Slope (Right) be taken 4/3 or 3/2? 	<p>Option 1 is correct. Addendum shall be issued for 2000 (CD).dwg.</p>
		<p>We found discrepancies between drawings “1000 (MSL).Dwg” and “2000 (CD).Dwg”. As an example, a bathymetric line shown as -1.50m MSL in drawing “1000 (MSL).dwg” is equivalent of -3.14m CD in drawing “2000 (CD).dwg”. However, this cannot be correct. We believe there is either a conversion problem between MSL and CD or the file names shall be changed. Please inform which of the following shall be considered:</p> <p>Option 1: Drawing “1000 (MSL)” would be assumed as correct and necessary adjustment shall be done to “2000 (CD)”. Hence, aforementioned: -1.50m MSL will stay the same -3.14m CD will be +0.14m CD.</p> <p>Option 2: Drawing “2000 (CD)” would be assumed as correct and necessary adjustment shall be done to “1000 (MSL)”. Hence, aforementioned: -1.50m MSL will be -4.78m MSL</p>	



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
87	Design and Consideration	<p>-3.14m CD will stay the same.</p> <p>Option 3: The drawing names will be assumed as wrong and will be assumed oppositely. Hence, aforementioned: -1.50m MSL will be -3.14m MSL -3.14m CD will be -1.50m CD</p> <p>As per the design drawings, Option 1 seems to be the correct one.</p> <p>However if any of the other options are correct, the design, considered significant wave heights and quantities will differ dramatically. Please clarify which option shall be assumed as correct.</p>	<p>Contractor has to take into account seismic loads for the design as per standards.</p> <p>Design shall be approved by the Engineer /Client.</p>



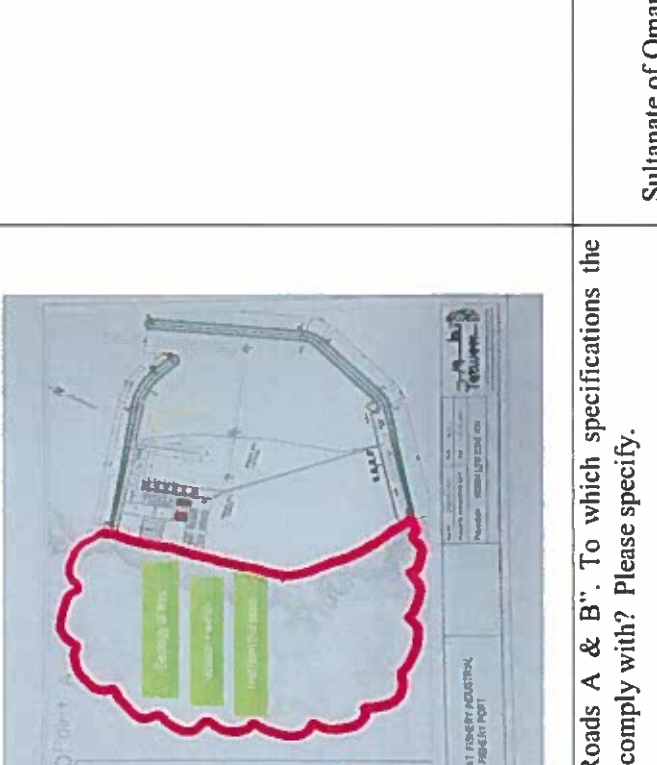
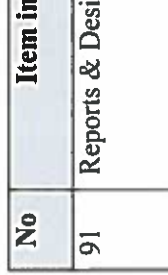
No	Item in Tender	Queries by Bidders	Response by SEZAD
88	<p>Volume 5: Reports & Design References Portion 4, Breakwater Design, Clause 15 to 25</p>	<p>Upon reviewing the tender document for the project, we note that seismic loads were not considered in the design for the quay wall and the breakwater. The detailed design report for the "Construction of Fishery Harbour at Shuwayr, Duqm", art. 4.3.6, states "no seismic has been considered for breakwater", a design decision that may have been adopted in the design of all other structures for the project. This issue will have to be investigated and confirmed or otherwise with the Client/ designer. The quay wall and the breakwater will have to be checked for seismic loads. This may have an impact on the size of quay wall segments and require the introduction of reinforcement in the segments due to its dynamic lateral effects.</p>	<p>Design wave Heights is to be considered as per Mathematical Model Study Report.</p>
		<p>Design of Core Loc Ref: Volume 5 i) Portion 1: Detail Design Report -Table 4.1 design ii) Portion 4: Breakwater design iii) Portion 2: Mathematical Model Study –Table 6.5 We observe that the concrete armour size calculated in design report & actual sizes used in tender drawings are quite differed. This is presumably due to difference in design wave heights used in tender design report and values recommended in mathematical model study (Table 6.5). Please confirm our understanding and specify the design wave heights to be used for design validation.</p>	<p>Design wave Heights is to be considered as per Mathematical Model Study Report.</p>



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
89	Volume 5: Design Reference Portion 1 : Detailed Design Report August 2013 Clause 4.3, Pages no 19	Design Criteria Please specify the overtopping limit to be considered for different sections of breakwater & approach/formula to be adopted.	Please follow standard limits as per <ul style="list-style-type: none"> • CIRIA rock manual • Euro overtopping manual. • BS 6349 Part 7 • CEM by US Army Corps
90	Design & Construction Of Road	<ol style="list-style-type: none"> 1 The Road Category and the proposed design speed of the road for design requirements. 2 The width of carriageway and the minimum shoulder requirements for proposed Road design.. 3 The details of vehicles (different types) using the road and number of vehicles expected. 4 Is there any requirement of street lighting in proposed Roads? If yes, please provide the minimum details for design 	<p>Road B –</p> <ol style="list-style-type: none"> 1 Access Urban Road- Design Group E3 2 Refer HDS June 2010 (Fig 3.2.2.8) for width of carriageway, shoulder and side walk. Shoulder width is 2.5m. 3 Types of commercial vehicle truck, trailer, semi-trailer (WB12,WB15,WB20D,WB30T, WB33D AS PER AASHTO). App. Nos. 600/Day 4 Design of Street Lighting shall be as per the Section 18 of HDS 2010.”



No	Item in Tender	Queries by Bidders	Response by SEZAD
91	Reports & Design References	<p>Kindly provide the geology strata 1KM from the seashore as shown in photo and can we use the clouded area for backfilling works?</p> 	<p>The requested information is not available.</p>
92	Design & Construction of Road	<p>Design for "Roads A & B". To which specifications the design should comply with? Please specify.</p>	<p>Sultanate of Oman, Highway Design Standards 2010</p>
93	Design & Construction Of Road	<p>The contractor shall be responsible to improve, divert, build and maintain the service "dirt road", from the present paved road (south of Park Inn Hotel Main Access Gate), up to the Point "A" (corner of the future Fishery Industrial Development Area).</p> <p>It is understood that a new permanent paved road shall be built in the near future, to serve the same scope. Could be</p>	<p>At present we do not have any plan/alignment for "dirt road" from (south of Park Inn Hotel Main Access Gate), up to the Point "A"</p> 

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
94	Vol. V- Design Reference V Protection 3 Bathymetric Survey Report	<p>helpful if the Contractor may receive the plan with co-ordinates of said future road, in order to avoid any encroachment, with its service "dirt road".</p> <p>Inside sub-folder App C is a text file named GRID-CD.txt which we consider as the in-survey ascii data for the project. However, we found inconsistencies with the levels between the ascii data and the ones in the drawings. For example, the seabed level at the Eastern Breakwater roundhead as per drawing is approx. -9.70m CD but the level from the ascii data is -12.90m CD. Please clarify.</p>	<p>The alignment of the "track road" from NR 32 to the Fishery Industrial Development Point "A" is yet to be finalized. Contractor shall terminate Road A at Point A.</p> <p>Addendum on the bathymetric data shall be issued. The Contractor shall carry out survey and verify the levels prior to studies and design.</p>

