



## Circular No. (3)

**Reference: SEZAD Tender No. (19-2015) "EPC Construction Services for Detailed Design and Construction of the Duqm Refinery Service Corridor to the Liquid Jetty"**

Date of Collection of Tender Documents: 24/08/2015 Submission date: 03/11/2015

### Subject: Reply to Queries


Reference to the bidder's clarification on the above subject.

Please see the attached reply to queries for your kind action and record.

#### NOTE:

- Any queries and/or clarifications are to be officially submitted to SEZAD Tenders.
- All Bidders are to endorse this circular and attach it as part of their tender submission.

Kind regards

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SEZAD, Tenders & Contracts.



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No.	QUERY	No.	ANSWER	DATE	BY
1.	Volume 4 Duqm Refinery Specification, Section 5 states: "There is also the likelihood of other pipelines crossing the Pipelines Corridor. Please see the KEO drawing titled 'Preliminary Design Utilities intersection Road 32 Refinery Area' for the current master plan layout". Please provide a copy of the aforementioned KEO drawing.		The Duqm Refinery Specification document is provided for information and will not form part of the Contract and information provided therein does not take precedence. The KEO drawing is not relevant, as the pipeline referred is outside the scope of this bid.		
2.	Volume 4 Duqm Refinery Specification, Section 5.1 states: "The Pipeline Corridor must be designed for a 25 year lifetime". The Bid Document, page 107, Schedule 14 - Performance Test and Procedures states: "The Performance Testing of each of the components of the Service Corridor to assure a 50 years Design reliability shall be undertaken." Please clarify which of these statements is correct and confirm the intention with regards to the design life requirement for the bidder's scope of works.		Please refer to Circular No 1.		
3.	Volume 4 Duqm Refinery Specification, Attachment 1 - Schematic of Pipeline Corridor Layout shows a provision for an 11m wide Coke and Sulphur Road (Primary Road Type) and two number 4m wide Access Roads. The sections shown on drawings 1409/DUQM/162/SE rev 0 and 1409/DUQM/163/SE rev 0 do not show a Coke and Sulphur Road, show one Service Road (Asphalt Top) and do not show any Access Roads. Please clarify: a. what is the road(s) arrangement for the Duqm Refinery Service Corridor to the Liquid Jetty b. under who's scope each road(s) will fall c. the design criteria for each road falling under the bidders scope		The Duqm Refinery Specification document is provided for information and will not form part of the Contract and information provided therein does not take precedence. The PET/Coke road has been moved to a location outside the corridor and is not in the scope of works of this bid.		

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4.	Please confirm that the fence on both sides of the pipe sleepers across the Wadi, as shown in Section A-A of drawing 1409/DUQM/151/SE is required. We note that standard fence design is not intended to withstand water flow, especially for a Wadi flow.		The fence is required where the distance between the bottom of the pipe sleeper and ground level is less than 3.0m. There is no fence constructed in the wadi. The location of section AA should be understood in relation to the relevant note on the same drawing. Neither a temporary or permanent fence will be constructed in the designated wadi area.		
5.	Please confirm that the Solids Export Road mentioned in item 5.3 of Volume 4 is not part of the scope of this Tender.		The Duqm Refinery Specification document is provided for information and will not form part of the Contract and information provided therein does not take precedence. This is not part of the Scope of this bid.		
6.	There appears to be a discrepancy in the Vertical weight of the pipeline whereas it is mentioned to be 25 tonnes on item 5.1 of Volume 4 and 62 tonnes in item 5.0 of Volume 2 and 3. Please clarify which is correct.		Please delete the number "62" and replace with the number "25" from the line no. 23 of Page no. 82 of the Volume 2.		
7.	Kindly provide access to document DRP001-FED-IFD-U-000-009 related to security systems for the pipeline and its applicability to the scope of this pipeline tender.		The Duqm Refinery Specification document is provided for information and will not form part of the Contract and information provided therein does not take precedence. This security system related to document DRP001-FED-IFD-U-000009 is not part of the Scope of this bid.		



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8.	Please confirm that coordination of security requirements with ROP is already covered by SEZAD and Duqm refinery and that any further requirements beyond those stated in this tender are the responsibility of the Client not the EPC contractor.		The Contractor is to coordinate with ROP for their approval. SEZAD will assist.		
9.	Please provide the date by which the specific and final loads and pipeline layout will be provided to the EPC contractor to proceed with the detailed design of the pipeline sleepers. Such date and requirements are critical for EPC contract schedule.		Bidders are required to provide a bid on the information provided in the Bid Document. If there are changes then these will be notified when available.		
10.	Drawing 1409/DUQM/120/SE indicates a hit /miss arrangement for the tie beams across part of the Channel 5-1 (PB 1295 to PB 1303). Please confirm if this is correct or is it a design error and the tie beams should be continuous as per the bridge over Wadi Saay.		The tie beams should be continuous throughout, as per the stretch from PB1313 to PB1304. Hence, there should be an additional 8 (=4x2) nos. of tie beams. Please refer to amended drawing 1409/DUQM/120/SE/A. provided with this circular.		
11.	Please provided the timing of Duqm Refinery's piping contractor for carry out the underground pipes at either end of the service corridor to enable the completion of this tenders underground pipe crossings at DPTC & SP1- SP0.		This information is not available at this time. However underground works and pipe laying are not in the scope of this bid.		
12.	Please confirm that Duqm Refinery will be responsible for cabling & pipe laying along the entire service corridor. And that this activity is not a part of this tender.		It is confirmed that cabling and pipe laying along the whole of the corridor is not in the scope of this bid.		
13.	Please clarify the Contractor responsibilities during the testing and commissioning phase of the pipeline, which is understood to be performed by Duqm refinery and will take place starting September 2018 (Item 4 of Volume 4) beyond the completion date of this project 30-oct-2017 (item 2.0, Schedule 10, Volume 2).		The Contractor will not be involved in the commissioning of Duqm Refinery's pipelines.		
14.	Drawing number 1409/DUQM/151/SE rev 0 Wadi Bridge and Pipe Bridge B Plan and Section, mentions stone columns. Please provide a specification for stone columns.		The stone column or alternative is to be designed by the contractor, and meet the lifetime requirements.		

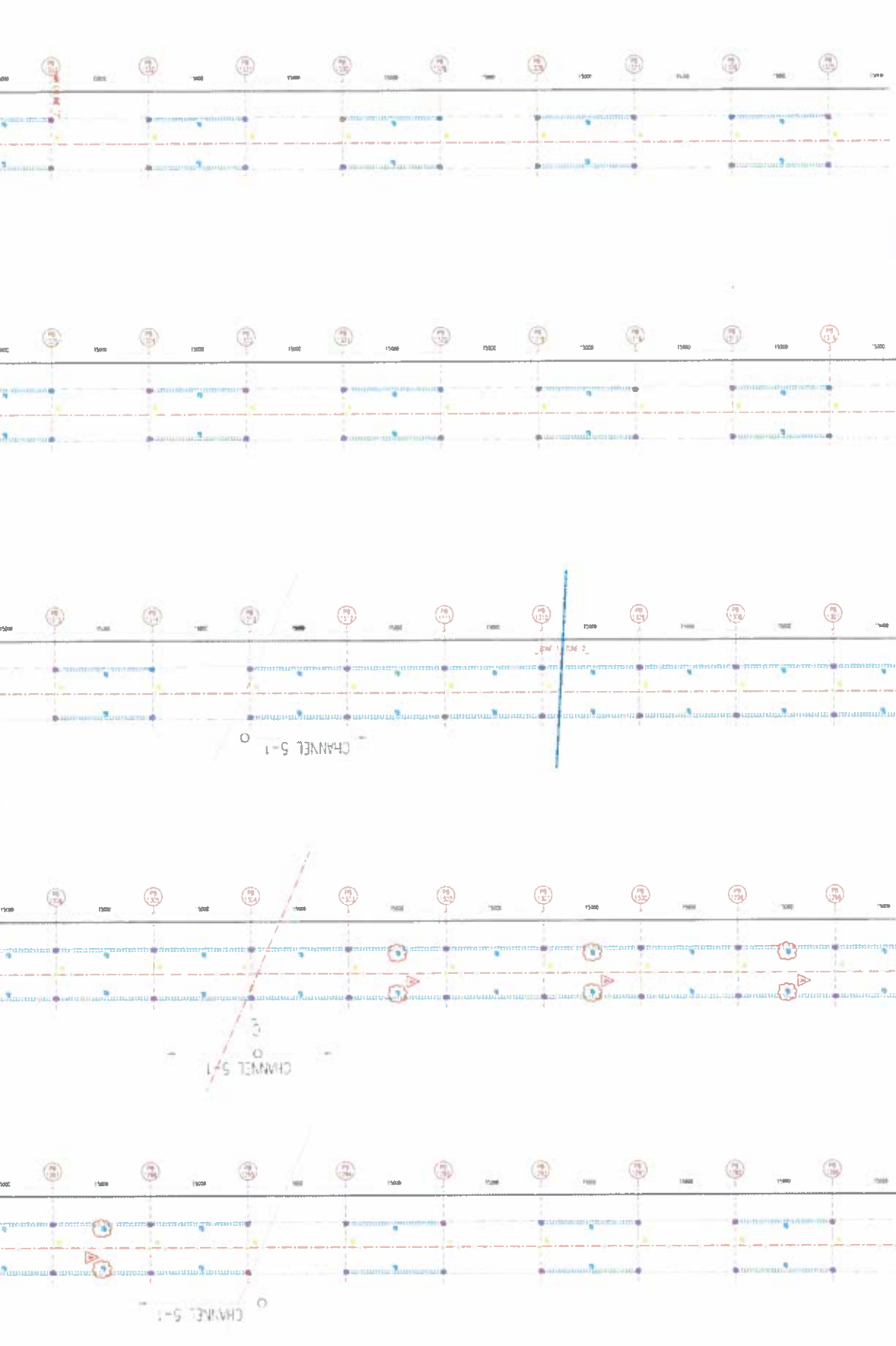


15.	Item 4 of the instructions to bidders states "All items in these submissions shall be fully priced in Oman currency both in words and figures to show the amount of the Bid", while Appendix A and Appendix D don't have room for writing the amounts in words. Kindly clarify and/or provide revised Appendices in excel format.		Bidders will need to adjust the form to comply with the requirement.		
16.	Kindly provide all forms and appendices required for filling in editable format.		These forms are unavailable in native format.		



**SCHEDULE OF SLEEPER & TIE BEAM**

TIE	SIZE	TOTAL NOS
SLEEPER - S81a	9700 x 600 x 1500	1
SLEEPER - S81	8000 x 600 x 1500	564
SLEEPER - S82	9700 x 600 x 1500	24
SLEEPER - S83	10500 x 600 x 1500	66
SLEEPER - S84	10500 x 600 x 1500	24
TIE BEAM TB	(15000mm x 400mm) x 300 x 1500	605



SLEEPER - TIE BEAM LAYOUT PLAN - Part 29  
 SLEEPER - TIE BEAM LAYOUT PLAN - Part 28  
 SLEEPER - TIE BEAM LAYOUT PLAN - Part 27  
 SLEEPER - TIE BEAM LAYOUT PLAN - Part 26  
 SLEEPER - TIE BEAM LAYOUT PLAN - Part 25

**Legend**  
 Sp denotes Setting Out Point  
 Ht denotes Horizontal Loop (6 nos.)



**TENDER DRAWING**  
 DATE OF ISSUE

Sl. No.	Description	Quantity	Unit	Rate	Total
1	CONCRETE SLEEPERS FOR RESIDUAL STRENGTH				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
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