

Circular No. (5)

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


SEZAD, Tenders & Contracts.





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No.	QUERY	ANSWER
1.	On review of revised drawing 1409/ DUQM/143/SE Rev A, it has been noted that the revised service road alignment on the Horizontal Loop (Plan View) now runs across the Pipe Corridor. For the majority of the Loops, there is little or no clearance between underside of the sleeper beam and the proposed ground level. Please therefore clarify this interface between the service and the pipe sleepers in these areas.	The location of the pipeline supports remains unchanged, however space for the changed location of the service road, (from the east side to the west side of the pipeline supports), has been accommodated by moving the western fence further west. This is shown on the other layout drawings, but not on drawing No 1409/ DUQM/143/SE Rev A. The contractor's details design will accommodate this change and space is available to accommodate the service road to the west of the pipeline supports for the total length of the corridor, including the loops.
2.	Document Addendum-1 EPC Service Corridor-T19-2015 states 'This involves a redesign to move the service road from the east side of the pipeline supports to the west side'. On review of the Plan View of revised drawing 1409/ DUQM/143/SE Rev A this does not appear to be the case as the service road still appears between the pipe corridor and future pipe corridor along the general length of the service corridor. Please clarify this discrepancy.	The plan view shown on drawing No 1409/ DUQM/143/SE Rev A does not reflect the relocation of the service road. The contractor should ensure that in his design the service road is moved to the west side of the pipeline supports as reflected in the section shown on the same drawing.
3.	With reference to Drawing 1409/DUQM/151/SE Rev A, Section A-A indicates that the Proposed Wadi Channel Level is between 0.0 & +0.5m, with a cover to the top of the pile caps of 300mm. This detail however does not appear to correlate with the information on drawings 1409/DUQM/192/SE & 1409/DUQM/193/SE. Across the Wadi Saay, these drawings show top of pile cap levels of between + 0.53 and +1.26. If 300mm is added to these level then the Wadi Channel Level would be between +0.83 and +1.56. Please clarify this discrepancy.	Please use the longitudinal sections drawings, 1409/DUQM/192/SE & 1409/DUQM/193/SE, for the correct top of pilecaps' levels at the wadis. On drawing No 1409/DUQM/151/SE Rev A, Section A-A, delete the "0.3m" from the sleeper pile cap detail and for the wadi channel level refer to longitudinal sections only.
4.	There is a discrepancy between the descriptions of scope at the Duqm Refinery	The scope of this Bid commences from SP-1 Drawing No 1409/DUQM/161/SE.

	<p>end side of the pipe corridor. In section "Detailed scope of work", of "Bid Document";</p> <ul style="list-style-type: none"> - <i>Engineering, Procurement and Construction of earth culvert, cable pits/ ducts at and crossing the Duqm Refinery South Access Road leading into the Duqm Refinery Boundary Marker, to receive buried pipelines are future works, are NOT under the scope of the EPC Contractor.</i> - <i>The Contractor's C&S scope shall include (but not limited) to the following:</i> <ul style="list-style-type: none"> • • <i>Completion of Corridor at Duqm Refinery's end (buried section, but excluding pipelines and cables)</i> • • <i>Pipeline concrete thrust-block, bedding, haunching & final covering. The Service Corridor shall terminate at the North Side of Road No. 5.</i> <p>Please clarify the battery limit at the northern end of the service corridor. Are the following items between SP0 and SP1 within the scope? Earthwork, earth cover, pipe bedding, pipe casing and concrete slab?</p>	<p>This point is denoted as PB1001 shown on drawing No 1409/DUQM/191/SE. (Chainage 227.18m),</p>
<p>5.</p>	<p>Does the bored pile schedule given on sheet no "1409/DUQM/112/SE, Typical Bored Pile Details" dated February 2014 reflect the findings and recommendations of the Final Site Investigation Report dated July 2015?</p>	<p>The bored pile schedule provided is 'typical' based on information at the time. The EPC Contractor is to carry out the detailed design of piles based on his validation of the geotechnical report</p>
<p>6.</p>	<p>The same sheet no "1409/DUQM/112/SE, Typical Bored Pile Details" gives the pile information for Zone 5. And, unit price for pile application on Zone 5 is required in the Bid Document". However, Zone 5 has buried pipes without sleepers and this section is out of the scope. Please clarify.</p>	<p>Please refer Query No.1 reply as above.</p>



7.	Section 11.0 in Bid Document mentions about "Maintenance / Operations Platforms where required". Please indicate the number and location of these platforms.	Kindly refer to answer of Query no. 11 of Circular no. 2 issued earlier.
8.	Will it be possible to provide CAD files of the concept drawings?	The CAD files shall be provided to the successful bidder upon award of EPC works
9.	Will it be possible to provide 3D digital model of the topographical survey?	The 3D digital model is not available. The AutoCad files will be made available to the successful bidder
10.	Please confirm that there will be no electrical work within the scope including fence lighting, grounding and CCTV.	All the relevant electrical works including fence lighting, grounding and CCTV are part of the EPC Scope of works of this Contract
11.	Please confirm if the Concrete Drain seen on drawing no. "1409-DUQM-143-SE _ Typ Serv Corr & Pipeline at Hori Expans Loop-Plan & Sect- 1" is included in the scope or not.	Confirmed. Included.
12.	Please confirm if the Pipe Culvert seen on drawing no. "1409-DUQM-162-SE _ Layout Plan_Section at Northern End" is included in the scope or not.	Please refer Query No.1 reply as above.
13.	There seems to be two types of Fencing to be used in this project: "Fencing Type-1" and "Fencing Type-2" Although we can find in drawings details about "Fencing Type-1" we could not find any details regarding "Fencing Type-2" nor the location(s) it will be applied to. Please provide necessary details.	All fencing is Fencing Type-1 as detailed in the drawing no. 1409/Duqm/103/SE
14.	Please indicate if there are any Gates required other than : the 1(one) shown on "1409/DUQM/162/SE, Layout plan/section at Northern End" and the 2 (two) shown on "1409/DUQM/151/SE, Wadi Bridge and Pipe-Bridge B Plan and Section" along with the Fencing.	The bidders to note that there are in total 6 Gates as below : One at the northern End as shown in drawing 1409/Duqm/162/SE Two shown on 1409/Duqm/151/SE at Wadi Saay Two similar to Wadi Saay to be provided at Channel 5-1 One at the southern end location to be determined by EPC Contractor
15.	In relation with the 1st item above, in item 11 of the document named "15-09-15-Circular_No_(3)-_15-9-15" it is mentioned that "However underground works and pipe laying are not in the scope of this bid." Please clarify if at least the excavation of	No works including, excavation from SPO to SP1 is included in the scope. Refer to response to Query No 1 above.

	the part where the pipelines are planned to go underground is included in the scope or not.	
16.	Is there a certain quarry appointed and/or recommended by the Employer for obtaining selected fill material if required?	The contractor shall determine if fill material is required from the drawings showing the cut and fill areas. If fill material is required the EPC Contractor shall submit the fill material for approval. No quarry has been identified.
17.	In item 4 of the document ""15-09-15-Circular_No_(3)-_15-9-15" it is mentioned that "The fence is required where the distance between the bottom of the pipe sleeper and ground level is less than 3.0 m". Does this mean that no fence is required for locations where this distance is more than 3.0 m? Please clarify.	Yes. No Fence is required for locations where this distance is more than 3.0 m as this relaxation was provided by R.O.P. The EPC contractor shall closely coordinate with R.O.P upon award of EPC Contracts. Any change in R.O.P requirements to be dealt by the EPC Contractor
18.	Please indicate where the dumping area(s) will be for the excess material obtained from excavation.	The dumping area for the excess material obtained from excavation shall be within a radius of 1 km of the Service Corridor.



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