

**Circular No. (2)**

**Reference: TENDER 04/2016 –Construction of Road Nos. 1 & 5 and Drainage Systems at Duqm Port**

Tender Documents Collection date: 25<sup>th</sup>  
April 16  
Site Visit: 10<sup>th</sup> May 2016

Submission date: Tuesday/24<sup>th</sup> May 2016  
**1<sup>st</sup> Revised Submission Date: Tue/21<sup>st</sup> June 2016**

**Subject: Reply to Queries**

Reference to the bidder's clarification on the above subject, kindly see 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.
- **Last date** for the further Queries/ Clarifications shall be **Tuesday/ 7<sup>th</sup> June 2016**.
- Submission (Closing) Date of tender: **Tuesday/ 21<sup>st</sup> June 2016 at 12h00, Muscat Time.**

Kind regards,

SEZAD, Tenders & Contracts





**TENDER No. 4/2016**  
**Construction of Road Nos. 1 & 5 and Drainage Systems at Duqm Port**  
**Tender Queries/Response 1**

No.	Query	Reply
1	Please refer to BOQ, Item – 15.3.6(i) supply, installation & commissioning of 11KV/415V 100KVA package substation – Please provide the substation size and civil related drawings.	Refer to Tender Addendum No.1. (Note: Addendum 1 shall be issued in due course, soonest possible).
2	Please refer to BOQ, Item – 15.8.6(ii)a and 15.8.6(ii)b for 14M High street lighting poles:- Please confirm the street lighting column GRP type or Hot Dip Galvanized type and provide the drawings for the GRP type poles.	Streetlight poles for Road-1 shall be galvanized steel columns with zinc coating thickness 125 microns minimum. The streetlight poles for Road-5 shall be GRP columns. Refer to Addendum No.1
3	Bill of Quantity Items describe 14m High, Single Arm, Glass Reinforced Plastic Street light poles with LED Lights. It was noted on the Site Visit 10/05/16 that the existing street lighting is 18m GI steel poles with Halogen/Sodium Lighting. The General Specification also refers to mid-hinged street light poles. The General Specification for GRP poles also requires a wind speed of 220Km/h. We have been unable to find a manufacturer who makes 14m poles or for such wind speeds.	The streetlight poles for Road-1 shall be GI steel posts similar to the ones already used in the project with the same light fitting. Refer to Addendum No.1 We have checked and observed that manufacturers are available for GRP poles that can withstand a wind speed of 220km/h.
4	Tender drawing CI_SL-777_01_10_002 R0 states in Note 3. Max. wind speed as 160Km/h. Tender drawing CI_SL-777_01_10_002 R0 states in Note 3. Max. wind speed as 160Km/h Special Specifications require Max. wind speed of 198 Km/h. General Specification of GRP poles states Max. wind speed of 220Km/h. This drawing is for a hot dipped galvanized steel pole. Which speed is required ?	The wind speed for the hot dip galvanized steel posts shall be 198 km/h and GRP posts shall be 220 km/h.
5	Special specification states that "The Contractor shall submit along with the offer 5 sets of Luminaries of each type to equip 5 masts. Are these required for the Tender Submission ?	These are not required for the Tender Submission.
6	This Special Specification clause requires that the Engineer and his Representatives shall be compensated by the Contractor for supervising the Works outside of the normal hours or shifts, including but not limited to supervision services provided outside of the normal working hours. This compensation shall be paid at the rates for supervision services as included in the Contract Agreement for Supervision Services. Please confirm the Engineer's normal working hours and these rates and the number of the Engineer's staff shall be compensated.	The Engineer's representative shall be working 5 days in a week and as per Omani Labour Law . The number and category of Engineer's staff required for executing the work beyond normal hours shall be assessed by the Tenderers from their previous experience. The rate for the Engineer's representatives' compensation would be in line with the market rates of similar positions. Actual rate will be provided to the successful Tenderer upon award of the Contract.
7	This clause requires the provision and maintenance of one (1) new 4-wheel drive (automatic gear transmission) station wagon (6 cylinder, similar to land cruiser or Nissan Patrol etc.) for the sole use by the Client's Representative. As there is no item in the BOQ where should this vehicle be included?	A separate item is included under Preliminaries. Refer to Tender Addendum No.1
8	Disposal of surplus materials. As there is likely to be a large quantity of unsuitable materials arising from the Works to be disposed of. Is there a location for these proposed disposal areas to be able to price the transport costs ?	All debris like concrete, asphalt, rubber, wood, etc shall be disposed off site. It is contractor's responsibility to identify location of disposal for these materials. The soil material either dumped or part of the existing road within the right of way (ROW) shall be pushed to outside ROW. Refer to Addendum No.1
9	Borrow pits - The Contractor is responsible for the location of the borrow pits. As there is a large quantity of borrow materials required for embankment and dyke construction, is there a location for these proposed disposal areas to be able to price the transport costs ?	It is contractor's responsibility to identify suitable borrow pit as noted under Section 2.4.2 of the Special Specifications.
10	The compaction of the rock fill is to be achieved with the use of a Caterpillar D10 bulldozer. During the Site Visit of the 10/05/16 it was stated that a D8 or D9 bulldozer could be used. Please confirm this statement.	The statement issued during site visit was that D8 and D9 Bulldozers shall not be used. Only D10 or bigger Bulldozers shall be used.
11	These Items are all for the "Provision" of Engineers Facilities but the unit of measurement is per/month. Should these items not be Lump Sums (LS) Or mobilization/demobilization ?	These items will be paid as per the unit mentioned in the Bill of Quantities.
12	The fuel prices in the Sultanate of Oman are since January 2016 determined on a monthly basis by the Ministry of Oil and Gas. Please confirm that the Contractor will be compensated for any monthly fuel price increases after tender submission.	Contract provision shall apply
13	The Site Plan contained in the soil investigation report and drawing CI_BH_103_01_03_001 shows the location of trial pits 18-22 along Road 5. There are no results or photographs of these trial pits contained in the report document. Were they carried out and if so can the results be included.	Excavation and testing of Trial Pits TP-16, TP-18 to TP-22 was not carried out.

14	The photographs included in the soil investigation report show the ground the location of boreholes 'M' and 'P' surrounded by water. These areas of water were also noted on the Site Visit of the 10/05/16. Please confirm the requirement for working under water for rock fill and embankment construction.	The rock fill layer shall be placed on the existing ground level. If water is present at this level, the rock fill layers shall be placed in water. The capping layer and basal reinforcement are to be placed above the water level.
15	It is noted that the Soil investigation report does not include the area of the Proposed 250m wide channel and dykes. As it is noted that the invert levels of the proposed channel are very close to mean sea level and may be below sea level during high/spring tides will the sea water not flow back up the channel ?	The 250m wide channel does not discharge directly into the sea, but into the main Flood Protection Channel by others. Fluctuations in sea levels (highest astronomical tide (HAT) etc.) were considered in the hydraulic design of the channel.
16	Please confirm / clarify the unit of measurement for BOQ item 4.5.14 (V).	The unit of measurement shall be sq.m. Reference is made to Tender Addendum No.1
17	During site visit, we have noticed excavated waste material / rocks along the alignment of proposed road / channel. Kindly advise the quantity of removal of rocks and its location and also add a BOQ item for pricing.	A separate item is included under BOQ reference 2.3.6 (v). Refer to Tender Addendum No.1
18	Kindly advise the location / approximate distance from project limit to available borrow pit as we are unable to identify the borrow pit at the tender stage.	Refer to Section 2.4.2 of the Contract Special Specifications.
19	Kindly advise the SEZAD fees charged for various services to the Contractor during the execution of the project.	Established contractors working in Oman shall be expected to have an understanding on governmental department's, including SEZAD's regulations and typical fees payable.
20	We presume that the Client SEZAD will provide us an area for setting up of office and accommodation in the vicinity of project site. Also advise the rental charge of land if any.	The contractor can apply for laydown area for the project and pay the fees as per latest regulations.
21	Kindly extend the subject tender submission date by four (4) months from 24th May 2016 to enable us to obtain quotations from suppliers and submit you a competitive offer.	A Circular extending for 4 weeks has been issued. The new/revised Submission Date: <b>21 June 2016</b> .
22	Should ABC Materials mixed at site normally or firstly mixed by machines then distributed at road site?	ABC material shall be mixed at centralized pug mill plant as specified in the Contract Specifications. ABC material shall be laid with the use of Paver.
23	Should the granular sub-base from GABRO same like ABC?	No. The requirement of Gabbro is applicable only for bituminous wearing course
24	Can we use the sea water during the construction stages?	Sea water may be used for the soil layers 600mm below the bottom of the subgrade subject to the condition that the soil water mix shall meet the specifications requirements of chloride and sulphate. Refer to Addendum No.1
25	Project Site : During site visit it was observed that at many places all along project alignment , deposits of excavated materials / rocks / debris exists. Kindly Clarify about " what needs to be done for these deposits For removal and disposal of these deposits kindly provide suitable BOQ Item with quantification	All debris like concrete, asphalt, rubber, wood, etc. shall be disposed off site. It is contractor's responsibility to identify location of disposal for these materials. The soil material either dumped or part of the existing road within the right of way (ROW) shall be pushed to outside ROW. A separate item is included under BOQ reference 2.3.6 (v). Refer to Tender Addendum No.1
26	Disposal of unsuitable / deposited material from Excavation / grading / other activities. Is there any designated disposal yard in the SEZAD area , if so Kindly provide us details about it including any charges to be given to owner	Refer to # 8 Response
27	Embankment Earth : There is huge filling around 2.3million Cum in this project, sourcing is a challenge Kindly clarify, can we take the material from nearby SEZAD area, if so what additional approval mechanism to be followed and time frame required for this. Also what are preconditions from SEZAD for excavating such material	The contractor shall be responsible for the application to SEZAD for suitable borrow areas for the project. The contractor can also source from elsewhere on his own if necessary.
28	Under Instruction to Bidder, Cl 1.14 – Documents to be submitted—“The bidder shall .... Tender documents. No entries shall be made in the form of agreement and its appendices and standard..... bond” But Reference to “ documents under Financial Proposal” – point number 2 – Appendix “B” to form of agreement -- “Summary of Contract value” Kindly Clarify , whether “ Summary of Contract Value” form needs to Filled with Values or Left blank as it is and submitted under financial proposal.	Yes, summary of Contract value form is required to be filled along with the Tender Submission
29	BOQ Soft Copy : Present Excel copy is partially protected. Request to provide Un protected Copy as at present BOQ Description can't be Copied and used.	The required entry column for filling the rates is not protected
30	BOQ Item no 4.5.14(v): Double Twisted hexagonal galvanized steel Mesh.....100mm in any direction. : Cu.m = 9150. Request you to kindly review the Unit of measurement and advise accordingly.	The unit of measurement shall be sq.m. Please refer to Tender Addendum No.1

31	With reference to Tender Drawings for utility corridor layout (Sheet 1 to 6) & typical pavement cross section, we observed that there is 63m wide utility corridor showing details of future utilities. Do we need to carry out only embankment works or Utility ducting also part of our scope, please clarify.	The 63m wide utility corridor is not part of the present scope of work. However, the embankment work on the utility corridor will be required to be constructed at locations where the existing utilities are to be relocated. The utility ducting is required to be constructed as shown on Dwg. Refer to Addendum No.1
32	With reference to Tender Drawings for Drainage layout Plan sheet "15B", "7" & "13" following Pipe culverts Items are not available in Bill of quantities. • 1200mm diameter HDPE Pipe culvert (PC-1 to PC-4) shown with 1200mm dia. Rubber type non return valve. • HDPE Pipe culvert shown with Drop Inlet Concrete chamber (with various sizes) & Chamber Perimeter railing with (Stainless steel pipe). • 1000mm diameter Rubber type non return valve shown at Reinforced pipe culvert at Roundabout, PC 5 & PC 6. You are requested clarify that under which BOQ item above pipe culvert items shall be paid.	Refer to Tender Addendum No.1.
33	We observed that technical specification for Rubber type non return valve (for BOQ item no-8.4.6(v)) is not available; you are requested to provide technical specification.	Refer to the additional special specification to be issued in Tender Addendum No.1
34	Double twisted hexagonal galvanized steel mesh with transverse steel bars (for BOQ item no-8.5.14(v)); you are requested to provide Typical Plan (drawing) showing fixing arrangement for steel mesh & transverse steel bars (Diameter, Spacing, length).	The fixing arrangement and methods shall be according to the manufacturer's recommendations.
35	During site visit, we observed that proposed road no-5 alignment is passing through existing loose material dumped at site; you are requested to clarify that "Removal of existing loose material" is part of our scope of work? If yes, then under which BOQ item it shall be paid.	A separate item is included under BOQ reference 2.3.6 (v). Refer to Tender Addendum No.1
36	Volume-III, Bill of Quantities, Bill No. 1, item no-1.3.5(i) Soil Investigation and report, please provide detailed scope of work for Soil Investigation to quote for this lump sum item.	Refer to Addendum No.1
37	Volume-III, Bill of Quantities, Bill No. 1, item no-1.5.13(i)a & (ii)b "Provision of Engineer's Office as per Special Specifications" Type-1 & Type-2. Please provide typical drawing for engineer's office Type-1 & Type-2.	The size of each room is mentioned in the Appendix A :Schedule of Engineer's Office.
38	Volume-III, Bill of Quantities, Bill No. 6, item no-9.6.6(i)-"Reinforced Concrete Slope Protection with 100mm thick (1.2m x 1.2m Panels)..." please provide concrete class for precast panel.	The concrete grade shall be 40/20. The concrete shall meet the durability requirements (permeability tests) of structural concrete. The concrete mix shall also include migration corrosion inhibitor as specified in the Contract Documents.
39	Volume-III, Bill of Quantities, Bill No. 2, item no-2.3.6(v)-"Leveling and Grading for Wadi Training Works", please provide scope of work & technical specification for Leveling and Grading for Wadi Training Works.	Refer to the Special Specification, Section 2.0: Earthworks, Sub-section 2.12 Grading for Drainage Channel.
40	With reference to Tender Drawings for Typical Drainage details sheet 4, Typical cross section shown for Grouted Riprap Chute, but chute details shown with concrete protection, you are requested to clarify that which type of chute, we have to consider in our pricing " Grouted Riprap Chute or Concrete Chute".	Pricing shall be done for concrete chute. The description "Grouted Riprap Chute Detail" on Drawing No.CI_SD_01_10_004 shall be substituted with "Concrete Chute Detail" .Refer to Tender Addendum No.1
41	With reference to Tender Drawings for Typical Drainage details sheet 8, Catch pit-cross drain schedule is given, we understand that Catch pit shall be paid under BOQ item no 8.3.6(ii)a, b, c -Grated inlet (1mx1m, 1mx1.5m, 1.5mx2m), Please confirm. Typical section of Catch pit-cross drain shown following items like (150mm thick concrete lining, RCP pipe, Outfall Structure), you are requested to clarify that under which BOQ item above respective items will be paid.	Concrete lining is measured in sq.m., RCP pipes in m. and outfall structures - concrete works in cu.m.
42	With reference to Tender Drawings for Typical Drainage Layout Plans Sheet-5, "1m Wide AISEL opening" shown at some specific intervals, please provide technical specification & typical drawing for AISEL opening and please clarify that under which BOQ item it will be paid.	These are openings in the island created by dropping the curb as well as the paved areas. Reference should be made to Drawing No. CI_SD_777_01_10_004. Refer to Tender Addendum No.1
43	In prime document Clause 1.14.9 (Page No.10), Omanization requirement is indicated as 10% where as in Clause K (Page No.21), it is mentioned that the key staff percentage of Omanization should be 30%. Please clarify.	For development in SEZAD, the Omanization requirement is <u>10%</u> . Refer to Addendum No.1
44	In the Form of Tender and Appendix to Form Tender, period of commencement for construction works indicated as 30 calendar days. We request you to consider minimum 90 days for commencement of construction works considering the time required for mobilization, setting up of camp and accommodation.	Refer to Addendum No.1
45	In the Form of Tender, it is mentioned that the whole of the works comprised in the contract should complete within 18 calendar months (12 months for Road 1) whereas in Appendix to form of Tender, time for completion indicated as 18 Calendar months only. Please clarify.	Road 1 shall be completed in 12 months period. Refer to Addendum No.1.

46	In Volume 2 Special Specifications Section 1 General Clause 23 a) & b) (Page 1-7), it is mentioned that establishment and maintenance of Engineer's Laboratory which shall be made under the items provided in the BOQ. In addition to that the contractor should set up an Independent Laboratory through third party service provider to conduct its own independent testing to ensure quality. Please clarify whether this additional requirement is required for this job.	Only one Laboratory according to the requirements of Engineer's site laboratory shall be established at site. The payment for this laboratory will be made as described in the Contract Documents. The installation of another independent laboratory at site is not required. The tests that are not possible to be conducted at the Engineer's site laboratory shall be performed at an approved independent laboratory. Refer to Addendum No.1
47	In the BOQ, Volume 3, Item No. 2.3.6(v), Page 2/2 – "Levelling and grading for wadi Training works- 863,700 cum". Please provide the specification since it is not included in the General specification Roads 2010. We presume that the item is for cutting and levelling the wadi bed area to the required level specified without compaction. Also we have not considered any provision for borrow materials. Please confirm.	Refer to the Special Specification, Section 2.0: Earthworks, Sub-section 2.12 Grading for Drainage Channel and refer to Addendum No.1.
48	In the BOQ, Volume 3, Item No. 2.4.6(i), Page 2/2 – "Borrow excavation to embankment and Dykes – 2,260,000 cum". Since the volume of material required is huge, we request you to provide the coordinates of SEZAD potential borrow pits available in Duqm area and the royalty charge per cum of material.	The location(s) of borrow areas shall be given to contractor upon SEZAD's approval of his application for borrow area. The royalty/fee chargeable will as per Oman's regulations.
49	In the BOQ, Volume 3, Item No. 2.4.6(i), Page 2/2 – "Rock fill to embankment – 334,800 cum". We request you to provide the coordinates of SEZAD potential quarry available in Duqm area and the royalty charge per cum of material.	Refer to response (48).
50	In the BOQ, Volume 3, Item No. 4.5.14(v), Page 4/1 – "Double twisted hexagonal galvanized steel mesh with traverse steel bars and with opening not more than 100mm in any direction – 9150 cum". We presume that the unit is in "sqm" instead of "cum". Please clarify. Also request you to provide the diameter of steel mesh and traverse steel bars.	The unit of measurement shall be sq.m. Please refer to Tender Addendum No.1. For the sizes of the mesh refer to relevant drawing.
51	In the BOQ, Volume 3, Item No. 4.4.14(i) & 4.5.14(ii), Page 4/1 – "Bitumen Base course and Wearing course". We assume that the grade of bitumen to be used is normal 60/70 bitumen and there is no requirement of polymer modified bitumen. Please clarify.	The grade of the bitumen shall be 60/70 except at Signalized junction over the hexagonal mesh. The bituminous wearing course above the hexagonal mesh shall be made with modified bitumen grade PG82-10. Refer to Addendum No.1
52	In the BOQ, Volume 3, Item No. 9.6.6(i), Page 6/1 – "RCC slope protection Panels 1.2m x 1.2m x 0.1 m thick -7000 sqm". Please provide the grade of concrete to be used for panels and the reinforcement details. Also please clarify whether the panels are pre cast or cast in situ concrete.	The concrete grade shall be 40/20. The concrete shall meet the durability requirements (permeability tests) of structural concrete. The concrete mix shall also include migration corrosion inhibitor as specified in the Contract Specifications. The panels shall be precast. Refer to the Drawing for the reinforcement details. Refer to Addendum No.1
53	In the BOQ, Volume 3, Item No. 13.1.7(vii) & 13.1.7(ix), Page 6/4 – "Concrete barriers". Please provide the grade of concrete to be used for barriers.	The grade of concrete shall be 40/20.
54	In the BOQ, Volume 3, Item No. 18.2.6 (ii), Page 9/1 – "Physical shifting for existing 11 kv underground cables and any other accessories -5000 mtr". We presume that the item is only for shifting the existing cable from the trenches to a designated dump yard for future use. Please confirm.	"Physical shifting for existing 11 kv underground cables and any other accessories -5000 mtr" is to shift existing 11 kv underground cable to new locations (relocation) as shown on the relevant drawings including trenches and all accessories required.
55	In the BOQ, Volume 3, Item No. 18.3.6 (i)a , Page 9/2 – "Supply and install Type 1 future utility crossing ducts – 1300 mtr ". Please provide the diameter of the duct.	Refer drawing No. CI_SR_777_01_10_001.
56	In the BOQ, Volume 3, Item No. 18.3.6 (i)b , Page 9/2 – "Supply and install Type 2 future utility crossing ducts – 500 mtr ". Please provide the diameter of the duct.	Refer drawing No. CI_SR_777_01_10_001.
57	Tender Documents, Section 1, Clause No. 1.14 – " Documents to be submitted ", point No. 9, Pg: 10, "The Bidder shall submit a statement giving confirmation that the Bidder shall endeavor to employ (a): a minimum percentage of ten percent (10%) Omani employees on this project ..." whereas Clause No. 1.28 – "Tender Evaluation Criteria" Pg: 19, Item No. : T7, asks for "proposed 30% Omanization Program". Hence please clarify the proposed percentage for Omanization.	For development in SEZAD, the Omanization requirement is <b>10%</b> . Refer to Addendum No.1
58	Tender Documents, Section 1, Clause No. 2.2, Financial Capability Evaluation, Item No. F-1, the maximum marks are allocated in such a way that : Annual Turnover the last 5 years more than RO 100 million – 4 marks Annual Turnover the last 5 years between 50 to 100 million – 2 marks Annual Turnover the last 5 years between 10 to 50 million – 1 marks. Considering the works involved in this project, we feel that the criteria set above is very severe and difficult to satisfy for any Omani company. Hence we kindly request you to reconsider and revise the above said criteria.	Refer to Addendum No.1.

59	Tender Documents, Appendix to Form of Tender, Point No. 13 , "Minimum Amount of Monthly Interim Certificate - R.O. 450,000/-". We believe that the amount mentioned is Net Amount. For the achieving the same a gross amount of 550,000 R.O is to be invoiced. Considering the cash flow requirements you are requested to revise it to R.O 300,000 from R.O 450,000.	Refer to Addendum No.1.
60	In view of above & complexity of this project, You are requested to consider an extension to the tender submission date by 4 weeks from 24th May 2016 for obtaining quotations from specialized suppliers and sub-contractors, as they have requested more time to provide their prices.	A Circular extending for 4 weeks has been issued. The new/revised Submission Date: <b>21 June 2016</b> .
61	Kindly provide the AutoCAD drawings	AutoCAD Drawings have been provided.
62	As per special specification Page no. 1-10, Clause 1.5.12-8 "Method of measurement of laboratory", mentioned no separate payment for laboratory. As per BOQ item 1.5.13 (vii) and 1.5.13 (viii) contractor can claim establishment of site laboratory and Maintenance respectively. Please clarify that.	Only one Laboratory according to the requirements of Engineer's site laboratory shall be established at site. The payment for this laboratory will be made as described in the Contract Documents. The installation of another independent laboratory at site is not required. The tests that are not possible to conduct at the Engineer's site laboratory shall be performed at an approved independent laboratory. Refer to Addendum No.1
63	According to special specification page no. A-1. Appendix A, paragraph 3 mentioned "Payment for maintenance of Engineer's facilities for the 2months period shall be made on the basis of rate provided in the BOQ Item 1.5.13 to the extent of facilities retained'. Quantity mentioned under BOQ item 1.5.13 are minimum contract period (18 month). As we understand from BOQ. Contractor can claim these BOQ items every month. Please clarify that.	Refer to Bill of Quantities for type-1 and type-2 requirements.
64	Kindly provide the specification and details for BOQ item No. 1.15.4 (i) and 1.15.4 (ii) (Supply and erection of commemorative plaque, opening ceremony including all facilities respectively)	Refer to Section 1.15.1 of the Standard Specifications.
65	In the Special Specification, Section 2 Earth work (Page 2/10) Clause 2.9- It is mentioned that the Geotextile should be considered if it is showing in the drawing. In the ground improvement and pavement section drawing (DRG No. CI RD 107 01 07 001), geo textile shown below the embankment under utility corridor area. Also in the special specification, it is mentioned about Geo textile Fabric- Item 2.9.4.(i) ( Page 2-11) but not included in the BOQ. Please clarify in which Bill the item is measured.	The 63m wide utility corridor is not part of the present scope of work. However, the embankment work with geotextile on the utility corridor will be required where the existing utilities are to be relocated. Refer to Addendum No.1
66	In the BOQ, Volume 3, Item No. 18.3.6(i) to 18.3.6(j), Page 9/4 & 9/5 - " 300mm / 600mm diameter mild steel sleeves for future use". We request you to provide the detailed specification of sleeve (like Type/ class of sleeve and thickness of sleeve pipe) pipes.	The mild steel sleeves are replaced with UPVC and RCC Pipe. Refer to Addendum No.1.
67	In the BOQ, Volume 3, Item No. 2.4.6(i) -"Borrow excavation to embankment & Dykes -2,260,000'- We presume that the quantity indicated is including the quantity required for embankment for roads, Dykes and the fill required to construct embankment in Utility corridor area also. Please confirm.	"BOQ, Volume 3, Item No. 2.4.6(i) -"Borrow excavation to embankment & Dykes -2,260,000" is included borrow excavation for roads and dykes. Utility corridor area works are not included in scope of works
68	In the special specification Section 2 Earth works Clause 2.5.3.1.16 (Page 2-6) it is mentioned sea water or saline water shall not be in the embankment construction. We are presently using sea water for major earth filling in Duqm Refinery Site preparation work. Since the requirement is huge and considering the shortage of getting treated water, we request you to consider the usage of sea water provided that it will meet the specification of total chloride content less than 2% and total sulphate content less than 2% in the water and soil mix. Please clarify.	The use of saline water may be accepted up to 60cm below the bottom of subgrade layer subject to the condition that the total chloride and sulphate content of soil mix shall be within the specified limits. Refer to Addendum No.1
69	Please confirm the unit "cu.m" for item 2.3.6(v) " Levelling and Grading for Wadi Training Works"	The material excavated as part of grading for drainage channel shall be re-used for filling low points to achieve the required channel bed level. Surplus material shall be disposed off outside the ROW. Refer to Section 2.12 of tender Addendum no.1
70	Please confirm the unit "cu.m" for item 2.3.6(v) " Double twisted hexagonal galvanized steel mesh with transverse steel bars and with opening not more than 100mm in any direction"	The unit of measurement shall be sq.m. Please refer to Tender Addendum No.1
71	As per the issued tender BOQ in bill no.09, page 9/4 item (18.3.6(i)) & 9/5 item ((18.3.6(i)) to (18.3.6(i))) it measures 300mm dia. & 600mm dia. mild steel sleeves. Please provide us the thickness, grade / schedule of this pipe to enable us to quote for the same	The mild steel sleeves are replaced with UPVC and RCC Pipe, Refer to Addendum No.1.

72	As per BOQ item 4.5.14 (v) (Double twisted hexagonal galvanized steel mesh with transverse steel bars and with opening not more than 100mm in any direction). Please conform unit is Cubic meter or not. Also please conform item showing as PAVEMENT TYPE 3 from drawing no. CI-RD-107-01-07-001 is same or not. If answer is YES. Please advise, where we can claim supply and casting of Reinforced Concrete.	The unit measurement shall be in sq.m. Please refer to addendum No.1. Reinforced Concrete for Pavement Type - 3 is shown under Bill No. 5a Item No. 5.7.6(ii) and welded wire fabric 4mm 100 x 100 for Pavement Type - 3 is shown under Bill No. 5a Item No. 5.2.6(iii)
73	As per BOQ item 9.6.6(i) (Reinforced Concrete Slope Protection with migrating corrosion inhibitor 100mm thick (1.2m x 1.2m Panels) as shown on Dwg no CL-SD-777-01-10-006. Please provide the concrete class and Reinforcement details for same item.	Concrete grade shall be 40/20. Refer to Tender Addendum No.1 - Drawing No. ST_GE_348_01_10_001 for reinforcement details. The concrete shall meet the durability requirements (permeability tests) of structural concrete as specified in the contract Specifications.
74	As per BOQ item 9.2.6 (i) & 9.2.6(ii), and storm water detailed drawings (CI-SD-777-01-10-004 to 012) Contractor should place stones/rocks in the Gabions. Please inform that, where we should consider the supply and placing of stones/rocks in the BOQ items?	Refer to Contract Specifications.
75	As per special specification 2.3.3.1 (Utilization of excavated materials), Contractor can use the excavated material for embankment and Dykes construction. We are requesting that; please provide the separate BOQ item for embankment and Dykes construction with suitable excavated materials.	Construction of dykes is covered in the Bill of Quantities, Item 2.4.6.
76	Refer to drawing No. CI-RD-106-01-03-001. Contractor should construct Construction access road. As per Note 5 in the same drawing, access road is part of permanent work. So can we claim under the BOQ items or Not? Please clarify.	It is included in the Bill of Quantities and will be paid separately.
77	Refer to special specification Clause 2.4 (Borrow Materials for Embankment and Dyke). The contractor shall be responsible to find the approved borrow site. Please inform us, contractor can take borrow material from the borrow pits as free of cost or any charges or fees is applicable for the material.	It is contractor's responsibility to obtain all information and details related to the borrow pits.
78	Refer to BOQ item no 14.3.6(iii) (Provide removable bollards in the median opening and one fixed bollard at each ends as shown in the Dwg. for R.O.P. including chain and lock). Please provide drawing and specifications for the above mentioned item.	Refer to Addendum No.1.
79	Refer the above mentioned project, please advise that M/s SEZAD will provide the land to contractor to build Accommodation camp for Labour & Staff free of cost in Project area.	Refer to # 20 Response
80	Refer to special specification page 2-7 mentioned "The material of the capping layer shall meet the requirements of Granular Sub base material as specified in the Contract Specifications" as well as page 2-5 clause 2b mentioned "The capping layer as shown on the Drawing shall be measured under borrow material, BOQ Item 2.4.6 (i)". Due to cost impact between granular sub base material and borrow material. Kindly provide the separate BOQ item for capping layer.	The capping layer shall meet the requirements of subgrade material as specified in the Contract Specifications. The capping layers shall be measured under the borrow material item as specified. Refer to Addendum No.1
81	Refer to drawing CI-RD-107-01-07-001, shown 300mm sub grade layer (CBR>=25%). We are unable to find any item in BOQ for Sub grade construction. Kindly provide the BOQ item for that.	Refer to Section 2.6.4 of the Standard Specifications.