



## Addendum No. (2) (BOQs)

**Reference: SEZAD Tender No. 8/2015 - Construction of Roads & Infrastructure for 150 Housing Project at Duqm**

Date of Collection of Tender Documents: 23 Mar 2015.

Original Submission date: 14/04/2015.

1<sup>st</sup> Extension Date: (to) 28/04/2015.

**New (2<sup>nd</sup>) Submission Date: Tues/5/05/2015.**

### **Subject: Response to Queries and in tandem, Addendum**

The relevant pages of the Tender Document's BOQs shall be replaced with the related pages of this Addendum; (attached) comprised pages: 2.1 to 2.6.

### **NOTES:**

- 1- *All Bidders are to endorse this Addendum and attach it as part of their tender submission. Additionally, the relevant pages of the Tender Documents' BOQ shall be replaced with the related (Addendum) pages.*
- 2- *Bidders are advised that there shall be No Further Queries.*
- 3- *Tenders submission (closing) date is: Tue/5 May 2015, 12.00pm Muscat time.*

Yours Sincerely,



for / **SEZAD Tenders and Contracts Department**

CONSTRUCTION OF ROADS & INFRASTRUCTURES FOR 150 HOUSING UNITS AT DUQM.

Appendum 2 (B00) 2.1

PROJECT TITLE

Subsection (If necessary)

BILL OF QUANTITIES

BILL (I) PRELIMINARIES

Item No	Description	Unit	Estimated Quantity	Unit Rate(Rial Omani)		Amount
				R.O in Figure	R.O in Words	
	<b>CONDITIONS OF CONTRACT</b> The contractor is deemed to have carefully studied and understood and taken into account the previous and requirements of the General and Particular Conditions of Contract. The rates and prices stated in the Bill of Quantities shall include for all costs of compliance with the conditions except for the costs of the items given in this Section 1 and which a separate amount is stated herewith.					
	<b>1 GENERAL</b>					
	<b>1.4 Contractor's Site Facilities</b>					
1.4.3(i)	Mobilization and demobilization of Contractor's site facilities	L.S	12			
1.4(ii)	Maintenance of Contractor's site facilities	month				
	<b>1.5 Engineer's facilities</b>					
	The Contractor's attention to drawn to the fact that he shall be entirely responsible for the co-ordination of all works carried out by the existing Contractor (Package 1) without effecting any progress of ongoing work.	L.S				
1.5.13(i)	Provisional of Engineer's office (type-A) (1 units)	month	12			
1.5.13(ii)	Maintenance of Engineer's office (type-A) (1 units)	month	12			
1.5.12(iii)	Provision of Surveying equipment for the Engineer	month	12			
1.5.13(iv)	Maintenance of Surveying equipment for the Engineer	month	12			
1.5.13(v)	Provision of Engineer's accommodation (type-B) (4 units)	month	4 x 12			
1.5.13(vi)	Maintenance of Engineer's accommodation (type-B) (4 units)	month	4 x 12			
1.5.13(vii)	Provision of Site laboratory (type- as per Standard Specification-2010)	month	12			
1.5.13(viii)	Maintenance of Site laboratory	month	12			
1.5.13(ix)	Provision and maintenance of Site Vehicle including fuel (3Nos)	month	3 x 12			
CARRIED TO SUMMARY						

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ADDENDUM 2 (B&A) 2.2

CONSTRUCTION OF ROADS & INFRASTRUCTURES FOR 150 HOUSING UNITS AT DUQM.

PROJECT TITLE  
Subsection (if necessary)  
BILL OF QUANTITIES

BILL (V) CONCRETE AND CONCRETE STRUCTURES

Item No	Description	Unit	Estimated Quantity	Unit Rate (Rial Omani)		Amount R.O in Figure
				R.O in Figure	R.O in Words	
<b>5 CONCRETE AND CONCRETE STRUCTURES</b>						
<b>5.1 Concrete Materials and Mixes</b>						
Concrete (Class in (type of structure),(location) and (finish)						
5.1.7(i)a.	Concrete (Class C15) as blinding for reinforce concrete	cu.m	220			
5.1.7(i)b.	Concrete (Class C20) as surround to split pipe duct etc.	cu.m	650			
5.1.7(i)c.	Concrete (Class C30) as foundation, manholes, slab and retaining wall etc	cu.m	280			
5.1.7(i)d.	Plastering (Class 1:6 Cement mortar) for Electrical Sub-Station etc.	sq.m	450			
5.1.7(i)e.	Block works for Electrical Sub-Station wall etc.	sq.m	300			
<b>5.2 Reinforcing Steel</b>						
5.2.6(i)	Mild steel bar reinforcement of any diameter	t.	19.5			
5.2.6(ii)	High tensile steel bar reinforcement of any diameter	t.	....			
5.2.6(iii)	Fabric wire mesh reinforcement of any size	t.	....			
<b>5.4 Prestressed Concrete Structures</b>						
5.4.6(i)	Prestressing wires ( static size and type)	t.	....			
5.4.6(ii)	Prestressing strands (static size and type)	t.	....			
5.4.6(iii)	Prestressing bars (static size and type)	t.	....			
<b>5.7 Cement Concrete Pavement</b>						
5.7.6(i)	Unreinforced cement concrete pavement	cu.m	....			
5.7.6(ii)	reinforced cement concrete pavement	cu.m	....			
<b>5.10 Water proofing for structures</b>						
5.10.6(i)	Tar or bituminous paint (Bitumin Primer 2 coats)	sq.m	2000			
5.10.6(ii)	Membrane waterproofing (static type, thickness)	sq.m	....			
5.10.6(iii)	Epoxo coating to internal surfaces of concrete (static type, thickness)	sq.m	....			
5.10.6(iv)	Polythene Sheet (1200 gauge)	sq.m	700			
<b>5.12 Load testing of Bridges</b>						
5.12.7(i)	Bridge loading test	nr.	....			
<b>6 STRUCTURAL STEEL AND OTHER METAL WORK</b>						
6.6(i)	Structural steel (grade)	t.	....			
6.6(ii)	railings (type) (height)	lin.m	....			
6.6(iii)	M.S. Gate for Electrical Sub-Station ( dimension as per Drawing)	nr.	4			
6.6(iv)	Heavy duty Manhole Cover ( size 600mm X 600mm)	nr.	346			
<b>7 PAINT</b>						
7.6(i)	Painting of existing Concrete Structure(type)(structure reference)	sq.m	....			
7.6(ii)	Painting of existing Steel Structure(type)(Structure reference)	sq.m	....			
7.6(iii)	Painting of Existing Steel Railings(type)(Structure Reference)	lin.m	....			
7.6(iv)	Painting of Electric Sub-Station ( external weather proof paint )	sq.m	450			

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(Rev. 01)

ADDENDUM 2 (R.O.) 2-3

CONSTRUCTION OF ROADS & INFRASTRUCTURES FOR 150 HOUSING UNITS AT DUQMI.

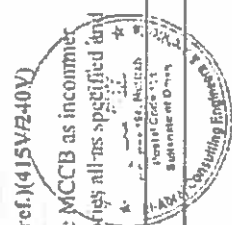
PROJECT TITLE  
Subsection (If necessary)

BILL (VII) ROAD LIGHTING AND ELECTRICAL INSTALLATIONS

Item No	Description	Unit	Estimated Quantity	Unit Rate(Rial Omani)		Amount
				R.O in Figure	R.O in Words	
<b>15 ROAD LIGHTING AND ELECTRICAL INSTALLATIONS</b>						
<b>15.1 General</b>						
15.1.20(i)	Power supply connections to the feeder pillar	nr.				
15.1.20(ii)	Spare parts (5%) as per the approved list	I.S.				
<b>15.2 Medium Voltage Switching Stations</b>						
15.2.6(i)	Medium voltage intake switching station(type)(voltage)(rating)(dwg)	nr.				
15.2.6(ii)	11 KV RMU Unit as per specification & drawings	nr.	4			
15.2.6(iii)	11 KV Addl. Unit as per specification & drawings	nr.	4			
15.2.6(iv)	11 KV Addl OLU Unit as per specification & drawings	nr.	1			
<b>15.3 Package Sub-stations</b>						
15.3.6(i)	Package sub-station (type) (reference) (rating) (voltage)	nr.				
15.3.6(ii)	1000 KVA Ground Mounted transformer as per specification & drawings	nr.	8			
<b>15.4 Package Medium Voltage Switching Stations</b>						
15.4.6(i)	Package medium voltage switching station (type)(reference) (voltage)	nr.				
<b>15.5 33kv and 11kv pole Mounted Transformer Sub Stations</b>						
15.5.6(i)	Pole mounted transformer sub-station 33kv/415v/240V, 3-phase 4-wire, solidly earthed neutral (Reference as shown on drawings)	nr.				
15.5.6(ii)	Pole mounted transformer sub-station 11KV/415V/240V, 3-phase 4-wire, solidly earthed neutral (Reference as shown on drawings)	nr.				
<b>15.6 Feeder Pillars</b>						
15.6.6(i)	Feeder pillar (size, rating(A)(No. of ways, type and ref.)(415V/240V) 6 way weatherproof feeder pillar with 1600A four pole MCCB as incoming and 6 nos. 400A MCCB outgoing. all meters, accessories all as specified and as indicated on the drawings	nr.	8			

CARRIED TO SUMMARY

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ADDITIONAL 2 (B06/2-4)

CONSTRUCTION OF ROADS & INFRASTRUCTURES FOR 150 HOUSING UNITS AT DUQM.		PROJECT TITLE	
		Subsection (if necessary)	
		BILL OF QUANTITIES	
		BILL (X)	GRAND SUMMARY
Item No	Description	Amount (Rial Omani)	
		R.O in Words	R.O in Figure
Bill No. 1			
Bill No. 2			
Bill No. 3			
Bill No. 4			
Bill No. 5			
Bill No. 6			
Bill No. 7			
Bill No. 8		( Provisional Sum )	90,000.000
Bill No. 9			
Bill No. 10 ( Provision of Road Eng. & MEP Eng. )		( Provisional Sum )	90,000.000
Bill No. 11 ( Soil Investigation )		( Provisional Sum )	10,000.000
page X-1		GRAND SUMMARY	

**"CONSTRUCTION OF ROADS & INFRASTRUCTURES FOR 150 HOUSING UNITS  
AT DUQM**

**GRAND SUMMARY BILL OF QUANTITIES**

SL. NO.	BILL NO.	DESCRIPTION	AMOUNT	
			RO.	Bz
1	1	PRELIMINARIES		
2	2	EARTHWORKS		
3	3	GRANULAR SUB-BASE, AGGREGATE BASE COURSE AND STABILIZED BASE COURSES		
4	4	BITUMINOUS PAVEMENT		
5	5	CONCRETE AND CONCRETE STRUCTURES		
6	6	INCIDENTAL CONSTRUCTION		
7	7	ROAD LIGHTING AND ELECTRICAL INSTALLATIONS		
8	8	LANDSCAPING AND IRRIGATION ( PROVISIONAL SUM )	90,000	000
9	9	PUMPING STATIONS AND UTILITIES		
10	10	PROVISION OF ROAD ENGINEER & MEP ENGINEER ( PROVISIONAL SUM )	90,000	000
11	11	SOIL INVESTIGATION ( PROVISIONAL SUM )	10,000	000
12		SUB-TOTAL		
13		CONTINGENCIES 10% OF SUB-TOTAL (EXCLUDING BILL NO 1.)		
14		<b>TOTAL CARRIED TO FORM OF TENDER</b>		

**"CONSTRUCTION OF ROADS AND INFRASTRUCTURES FOR 150 HOUSING UNITS  
AT AL DUQM."**

**GRAND SUMMARY BILL OF QUANTITIES**

SL. NO.	BILL NO.	DESCRIPTION	AMOUNT	
			RO.	Bz
1	1	PRELIMINARIES		
2	2	EARTHWORKS		
3	3	GRANULAR SUB-BASE, AGGREGATE BASE COURSE AND STABILIZED BASE COURSES		
4	4	BITUMINOUS PAVEMENT		
5	5	CONCRETE AND CONCRETE STRUCTURES		
6	6	INCIDENTAL CONSTRUCTION		
7	7	ROAD LIGHTING AND ELECTRICAL INSTALLATIONS		
8	8	LANDSCAPING AND IRRIGATION ( PROVISIONAL SUM )	90,000	000
9	9	PUMPING STATIONS AND UTILITIES		
10	10	PROVISION OF ROAD ENGINEER & MEP ENGINEER ( PROVISIONAL SUM )	90,000	000
11	11	SOIL INVESTIGATION ( PROVISIONAL SUM )	10,000	000
12		SUB-TOTAL		
13		CONTINGENCIES 10% OF SUB-TOTAL (EXCLUDING BILL NO 1.)		
14		TOTAL CARRIED TO FORM OF TENDER		