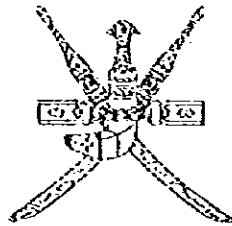


**SULTANATE OF OMAN**  
**MINISTRY OF COMMUNICATIONS**  
**DIRECTORATE GENERAL OF ROADS**



**CONSTRUCTION OF  
PEDESTRIAN UNDERPASS  
AT  
BARKA  
BATINAH HIGHWAY**

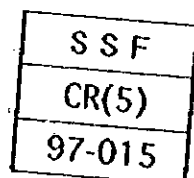
**TENDER DOCUMENTS**

**BILL OF QUANTITIES**

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**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>SECTION 100 PRELIMINARIES</b>						
	<b>101 Bonds and Insurance</b>						
101.1	Performance Bond (Clause 10 of Standard Conditions of Contract)	lump sum					
101.2	Insurance of the Works (Clause 21 of Standard Conditions of Contract)	lump sum					
101.3	Damage to Persons and Property (Clause 22 of Standard Condition of Contract)	lump sum					
101.4	Third Party Insurance (Clause 23 of Standard Conditions of Contract)	lump sum					
101.5	Accident or injury to Workmen (Clause 24 of Standard Condition of Contract)	lump sum					
		1-1			Carried to summary		4000.000



1138295(9)

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	104 Facilities for the Engineer						
104.1	Provision of Engineer's office (Type A, 1 unit x 7)	month	7	250.000		1750.000	
104.2	Maintenance of Engineer's office (Type A, 1 unit x 7)	month	7	150.000		1050.000	
104.3	Provision of surveying instruments	month	7	300.000		2100.000	
104.4	Maintenance of surveying instruments	month	7	150.000		1050.000	
104.5	Provision of Engineer's accommodation						
	(i) Resident Engineer's accommodation (Type B, 2 unit x 7)	month	14	250.000		3500.000	
	(ii) Engineer's accommodation (Type C, 1 units x 7)	month	N/A	150.000			
	(iii) Engineer's accommodation (Type B, 1 unit x 7)	month	N/A	250.000			
	(iv) Dining/Kitchen (Type D, 1 unit x 7)	month	N/A	250.000			
		1-2		Carried to summary			9450.000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
104.6	Maintenance of Engineer's accommodation						
	(i) Resident Engineer's accommodation (Type B, 2 unit x 8)	month	16	150.000		2400.000	
	(ii) Engineer's accommodation (Type C, 1 unit x 8)	month	N/A	250.000			
	(iii) Engineer's accommodation (Type B, 1 unit x 8)	month	N/A	150.000			
	(iv) Dining/Kitchen (Type D, 1 unit x 8)	month	N/A	250.000			
104.9	Sampling and Testing where no site laboratory is provided	month	7	80.000		560.000	
104.8	Maintenance of laboratory	month	7	150.000		1050.000	
104.10	In situ soil bearing capacity tests	n.r.	3	20.000		60.000	
104.11	Sub-soil investigation by specialist Contractor	prov. sum		200.000		200.000	
				1-3		Carried to summary	
						4270.000	



**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	105 Assistance for Engineer						
105.1	Laborers to assist the Engineer ( no x months)	man month	N/A				
	106 Contractor's Compound						
106.1	Mobilization and demobilization of Contractor's facility	lump sum					
106.2	Maintenance of Contractor's facility	month	7		500.000		3500.000
	107 Maintenance and Protection of Traffic						
107.1	Maintenance and protection of traffic	lump sum	8 month				10000.000
107.2	Extra over item 107.1 for supply and compaction of subbase on diversions where ordered by the Engineer (10 cm. thick)	cu. m.	rate only		2.000		
107.3	Extra over item 107.1 for supply and compaction of bituminous basecourse on diversions where ordered by the Engineer ( 3 cm. thick)	cu. m.	rate only		3.000		
		1-4			Carried to summary		13500.000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>108 Progress Photographs</b>						
108.1	Provision of negatives and 5 sets of photographs (14 photos max.) (Mountable-Size 100 x 150 mm.)	month	7	30.000		210.000	
	<b>109 Sign Boards</b>						
109.1	Provision, erection, moving and maintenance of signboard (Wooden Type)	n.r.	N/A	300.000			
	<b>110 Commemoration Plaque and Opening Ceremony</b>						
110.1	Supply and erection of commemoration plaque (Optional)	n.r.	N/A				
110.2	Opening ceremony (Optional)	lump Sum					
				1-5	Carried to summary	210.000	

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 1 - PRELIMINARIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
115.1	<p>115 Compliance with the Tender Documents</p> <p>Allow for all costs and expense for complying with all the conditions and requirements stipulated in the Tender Documents, including all Clause of the Standard Conditions of Contract, which the Tenderer considers have financial implications on his tender and which are not covered separately in the various pay items of the Bill of Quantities</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p> <p>Clause No .....</p>	<p>lump sum</p> <p>lump sum</p> <p>lump sum</p> <p>lump sum</p> <p>lump sum</p> <p>lump sum</p> <p>lump sum</p> <p>lump sum</p>				
				1-6		Carried to summary

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
 BARKA  
 BILL OF QUANTITIES  
 BILL 1 - PRELIMINARIES

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	SUMMARY						
	Page 1-1					4000.000	
	Page 1-2					9450.000	
	Page 1-3					4270.000	
	Page 1-4					13500.000	
	Page 1-5					210.000	
	Page 1-6					0.000	
				1-7	To Ground Summary		31430.000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 2 - EARTHWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	<b>202 Removal of Structures and Obstructions</b>					
202.1	Removal of Pavement (t=10 cm)	cu.m	68	2.000		136.000
202.2	Removal of Existing Guardrail	m	22	1.800		39.600
202.3	Removal of Curb Stone	m	11	1.500		16.500
	<b>206 Excavation and Backfilling for Structures</b>					
206.1	Structure excavation in soils to a depth of 2m	cu. m.	1651	1.000		1651.000
206.2	Structure excavation in soils to a depth more than 2m	cu. m.	1100	1.700		1870.000
206.3	Structural excavation in rock to a depth of 2m	cu. m.	rate only	2.100		
206.4	Structural excavation in rock to a depth more than 2m	cu. m.	rate only	2.600		
206.5	Extra over 206.1,2,3,4 for excavation under water	cu. m.	rate only	2.900		
		2-1		Carried to summary		3713.100

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
 BARKA  
 BILL OF QUANTITIES  
 BILL 2 - EARTHWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	SUMMARY					
	Page 2-1					3713.100
2-2						To Grand Summary
						3713.100

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 3 - GRANULAR AND STABILIZED SUBBASE, BASE COURSE, STABILIZED SUBGRADE**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>300 GRANULAR AND STABILIZED SUBBASE, BASECOURSE AND STABILIZED SUBGRADE</b>						
	<b>302 Granular Subbase</b>						
302.1	Granular subbase (class B) (150 mm thick)	cu. m.	55		2.000		110.000
	<b>303 Aggregate Basecourse</b>						
303.1	Aggregate basecourse (class B) (250 mm thick)	cu.m	73		3.300		240.900
			3-1	Carried to summary			350.900

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 4 - BITUMINOUS PAVEMENT**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>400 BITUMINOUS PAVEMENT</b>						
	<b>401 Bituminous Prime Coat and Tack Coat</b>						
401.1	Bituminous prime coat (MC 70)	kg	400		0.250		100.000
401.2	Bituminous tack coat (RC 250)	kg	100		0.300		30.000
	<b>402 Bituminous Basecourse</b>						
402.1	Bituminous basecourse (class B) 50 mm. thick	cu.m	29		22.000		638.000
402.4	Increase or decrease in bituminous content from nominal rate	kg	rate only		0.050		
	<b>405 Bituminous Wearing Course</b>						
405.1	Bituminous wearing course (class B) (100 mm thick)	cu. m.	15		28.000		420.000
405.2	Increase or decrease in bitumen content from nominal rate	kg	rate only		0.050		
				4-1	Carried to summary		1188.000



CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 4 - BITUMINOUS PAVEMENT

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	SUMMARY					1188.000
	Page 4-1					
		4-2		Carried to summary		1188.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
BARKA

BILL OF QUANTITIES

BILL 5 - CONCRETE AND CONCRETE STRUCTURE

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	500 CONCRETE AND CONCRETE STRUCTURE						
	504 Concrete for Structure						
504.1	Concrete Class 16/20 (OPC cement) Blinding	cu. m.	50		22.000		1100.000
504.2	Concrete Class A 24/20 for pedestrian underpass, canopy and stairs (including all formwork, falsework and finish	cu.m	552		43.000		23736.000
	508 Pedestrian Underpass						
508.1	Water Stop	m	74		7.000		518.000
			5-1	Carried to summary			25554.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 5 - CONCRETE AND CONCRETE STRUCTURE

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Ez	R.O.	Ez
509.1	509 Reinforcing Steel High yield steel bar reinforcement of any diameter	tone	49		285.000		13965.000
				5-2	Carried to summary		13965.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 5 - CONCRETE AND CONCRETE STRUCTURE

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	SUMMARY					
	Page 5-1					25354.000
	Page 5-2					13965.000
				5-3	Carried to summary	39319.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	600 STRUCTURAL STEEL AND OTHER METALWORK					
	604 Handrail					
604.1	Pedestrian Underpass Handrails (Mild Steel) (D=50 mm)	m	46	15.000		690.000
604.2	Galvanized Steel Bar for canopy (D=50 mm)	m	59	11.000		649.000
			6-1	Carried to summary		1339.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	R.O. Bz
	SUMMARY					
	Page 6-1					1339.000
6-2						Carried to summary
						1339.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 8 - DRAINAGE AND SERVICE DUCTS

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	S05 Water proofing for structure						
S05.1	Waterproofing membrane	sq.m.	N/A		1.800		
S05.2	Mastic asphalt waterproofing	sq.m.	570		8.000	4560.000	
S05.3	Bituminous paint	sq.m.	570		0.350	199.500	
				8-1	Carried to summary		4759.500

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 8 - DRAINAGE AND SERVICE DUCTS

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	SUMMARY						
	Page 8-1					4759.500	
		8-2			Carried to summary		4759.500



CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 14 - HIGHWAY SIGNS AND ROAD MARKING

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	1400 HIGHWAY SIGNS AND ROAD MARKING						
	1401 Highway Signs						
1401.1	Highway sign for pedestrian underpass	n.r.	2		55.000		110.000
				14-1	Carried to summary		110.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 14 - HIGHWAY SIGNS AND ROAD MARKING

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	SUMMARY					110,000
	Page 14-1					
				14.2	To Grand Summary	110,000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES**

**BILL 17 - UTILITIES**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>1700 UTILITIES</b>						
	<b>1701 Utilities</b>						
1701.1	Remove carefully and relocate low voltage electric poles, telephone poles, including removal of lines, excavation, backfilling and other related works as directed by the Engineer Protect of existing utilities crossing the roadway as shown in Drawing, or as directed by the Engineer	Prov Sum				4000.000	
				17-1	Carried to summary		4000.000

CONSTRUCTION OF PEDESTRIAN UNDERPASS AT

BARKA

BILL OF QUANTITIES

BILL 17 - UTILITIES

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
	SUMMARY					
	Page 17-1	Prov Sum				4000.000
				17-2	To Grand Summary	4000.000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
BARKA  
BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Ez	R.O.	Ez
<b>A. WAGES</b>							
These include proper wages, all used allowance, medical expense and all other charges provided for by local laws							
A.1	Supervisor	hour	10		4.000		40.000
A.2	Site Surveyor	hour	100		3.500		350.000
A.3	Foreman	hour	48		3.200		153.600
A.4	1st Class Operator	hour	48		1.100		52.800
A.5	2nd Class Operator	hour	10		0.950		9.500
A.6	Mechanic	hour	19		1.000		19.000
A.7	Driver	hour	48		1.000		48.000
A.8	Skilled Labour	hour	100		0.650		65.000
A.9	Semi Skilled Labour	hour	100		0.600		60.000
			19.1	Carried to Summary		797.900	

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
BARKA  
BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
A.10	Ordinary Labour	hour	100	0.550		55.000
A.11	Mason	hour	100	0.650		65.000
A.12	Painter	hour	100	0.750		75.000
A.13	Carpenter	hour	100	0.650		65.000
A.14	Steel Fitter	hour	100	0.650		65.000
A.15	Electrician	hour	2	0.850		1.700
				Carried to Summary		326.700

19-2

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
<b>B. OPERATING EQUIPMENT ON SITE</b>							
These rate include : fuel and lubricants cost, charges for depreciation interest, repairs, maintenance, spare parts, tyres, insurance, etc. Payment will not be made for mechanics or maintenance time which shall be include in and spread over the rates.							
B.1	Motorgrader from 100 hp up to 120 hp	hour	5		9.500		47.500
B.2	Motorgrader from 120 hp up to 150 hp	hour	N/A		11.500		
B.3	Tractor from 60 to 100 hp	hour	N/A		4.000		
B.4	Bulldozer with ripper from 100 hp to 150 hp	hour	5		7.000		35.000
B.5	Bulldozer with ripper from 150 hp to 200 hp	hour	N/A		8.000		
B.6	Bulldozer with ripper from 200 hp to 250 hp	hour	N/A		18.000		
B.7	Bulldozer with ripper from 250 hp to 300 hp	hour	N/A		19.500		
B.8	Wheel tractor up to 50 hp	hour	10		4.000		40.000
				19-3		Carried to Summary	
						122.500	

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	R.O.
B.9	Wheel tractor over 50 hp	hour	N/A	7.000		
B.10	Motor scraper capacity up to 18 cu.m.	hour	N/A	19.000		
B.11	Motor scraper capacity from 18 to 24 cu.m.	hour	N/A	19.000		
B.12	Sheeps foot roller, from 5 tonnes to 10 tonnes	hour	N/A	5.000		
B.13	Grid roller	hour	N/A	7.000		
B.14	Vibratory compactor with prime mover up to 5 tonnes	hour	4	5.000		20.000
B.15	Vibratory compactor with prime mover from 5 to 10 tonnes	hour	4	7.000		28.000
B.16	Pneumatic compactor with prime mover from 30 to 50 tonnes	hour	N/A	7.000		
B.17	Pneumatic self-propelled rollers from 15 to 20 tonnes	hour	N/A	4.500		
B.18	Tandem roller up to 8 tonnes	hour	24	4.500		108.000
B.19	Tandem roller from 8 to 12 tonnes	hour	N/A	5.000		
			19-4	Carried to Summary		156.000



**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
B.20	Triaxle roller from 10 to 15 tonnes	hour	N/A		5.000		
B.21	Light frog-rammer 0.1 tonne	hour	N/A		0.500		
B.22	Heavy frog-rammer 0.5 tonne	hour	20		0.700		14.000
B.23	Wheel loader 1.2 to 1.6 cu.m.	hour	20		9.500		190.000
B.24	Wheel loader 1.6 to 2.0 cu.m.	hour	N/A		10.000		
B.25	Wheel loader 2.0 to 2.5 cu.m.	hour	N/A		11.000		
B.26	Excavator up to 0.8 cu.m.	hour	15		5.500		82.500
B.27	Excavator from 0.8 to 1.2 cu.m.	hour	N/A		7.500		
B.28	Bituminous mixing plant with batching apparatus up to 80 t/h.	hour	N/A		18.000		
B.29	Bituminous mixing plant with batching apparatus from 80 to 150 t/h.	hour	N/A		23.000		
B.30	Finisher up to 80 t/h.	hour	10		9.000		90.000
		19-5			Carried to Summary		376.500

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
B.31	Finisher from 80 t/h to 120 t/h.	hour	N/A	10,000			
B.32	Bitumen sprayer up to 6 tonnes	hour	10	5,000		50,000	
B.33	Tanker truck up to 6 cu.m.	hour	15	5,000		75,000	
B.34	Dump truck up to 10 tonnes	hour	17	5,500		93,500	
B.35	Dump truck from 10 to 15 tonnes	hour	N/A	6,000			
B.36	Screening plant from 80 to 100 t/h.	hour	N/A	16,000			
B.37	Crushing plant from 40 to 60 t/h.	hour	N/A	20,000			
B.38	Crushing plant with primary and secondary from 60 to 100 t/h.	hour	N/A	30,000			
B.39	Air compressor up to 6000 l/m.	hour	15	1,500		22,500	
B.40	Air compressor over 6000 l/m.	hour	15	2,000		30,000	
B.41	Mechanical broom	hour	N/A	4,000			
			19-6	Carried to Summary			271,000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
BARKA  
BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Ez	R.O.	Ez
B.42	Power water pump	hour	N/A	0.700			
B.43	Steel cutting machine	hour	5	0.800		4.000	
B.44	Steel bending machine	hour	N/A	1.200			
B.45	Belt conveyor	hour	N/A	7.000			
B.46	Concrete mixer up to 0.5 cu.m.	hour	10	2.000		20.000	
B.47	Concrete mixer over 0.5 cu.m.	hour	N/A	4.000			
B.48	Automatic concrete batch plant without mixing drum	hour	N/A	7.500			
B.49	Transmixer up to 5 cu.m.	hour	N/A	6.500			
B.50	Concrete vibrators	hour	59	0.150		8.850	
B.51	Crane up to 5 tonnes.	hour	N/A	4.500			
B.52	Crane with broom and jib 5 to 10 tonnes	hour	N/A	8.000			
			19-7	Carried to Summary		32.850	

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
B.53	Crane with boom and jib over 10 tonnes	hour	N/A		11.000		
B.54	Generator 60 kw	hour	5		1.500		7.500
B.55	Generator 75 kw	hour	N/A		1.800		
B.56	Drilling equipment	hour	N/A		0.200		
B.57	Generator 100 kw	hour	N/A		3.000		
B.58	Generator 150 kw	hour	N/A		4.000		
B.59	Generator 200 kw	hour	N/A		5.000		
B.60	Gravel strewer	hour	N/A		10.000		
		19-8		Carried to Summary			7.500

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  
BARKA  
BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
<b>C. MATERIALS</b>							
These rates include all the charges for the supply of the materials, loading, transport to site, unloading and stores as well as all the charges provided for in the General and Special Specifications and in the Contract.							
C.1	Aggregate for granular sub-base course in accordance with the General and Special Specifications, in place as specified.	cu.m.	5		1.000		5.000
C.2	Aggregate for granular aggregate base course in accordance with the General and Special Specifications, in place as specified.	cu.m.	3		2.000		6.000
C.3	Aggregate for bituminous base course in accordance with the General and Special Specifications, near the asphalt plant, in bulk	cu.m.	5		2.000		10.000
C.4	Fine aggregate for concrete, in accordance with the General and Special Specifications, in place, in bulk	cu.m.	3		2.000		6.000
C.5	Coarse aggregates for concrete, in accordance with the General and Special specifications, in place, in bulk	cu.m.	5		1.200		6.000
				19-9	Carried to Summary		33.000

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
C.6	Stone for drainage, masonry and slope protection, in accordance with the General and Special Specifications in place	cu.m.	3		2,500		7,500
C.7	Asphalt cement, grade 60-70 on site	ton	0.1		44,000		4,400
C.8	Asphalt cement, grade 50-60 on site	ton	0.1		48,000		4,800
C.9	Emulsified asphalt, grade RS-1 on site	ton	0.1		70,000		7,000
C.10	Cutback asphalt, MC and RC type on site	ton	0.1		75,000		7,500
C.11	Portland cement on site	ton	0.1		25,000		2,500
C.12	Deformed billet steel bars, AASHTO M 31 grade 60 (High Yield) of any diameter	ton	0.1		135,000		13,500
C.13	Deformed billet steel bars AASHTO M 31 grade 40 (Mild) of any diameter	ton	0.1		135,000		13,500
C.14	Highway signs	sq.m.	3		32,000		96,000
C.15	Highway sign supports - 1 post	nr.	4		15,000		60,000
			19-10		Carried to Summary		216,700

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount
				R.O.	Bz	
C.16	Highway sign supports - 2 post	nr.	2	20.000		40.000
C.17	Timber plank, on site	cu.m.	1	105.000		105.000
C.18	Timber props, on site	cu.m.	1	105.000		105.000
C.19	Wire mesh gabgions, on site	ton	0.5	320.000		160.000
C.20	Explosive, on site	kg.	N/A	20.000		
C.21	Gas oil, on site	litre	50	0.080		4.000
C.22	Gasoline, on site	litre	250	0.120		30.000
C.23	Lubricant	kg.	3	0.300		0.900
			19-11	Carried to Summary		444.900

**CONSTRUCTION OF PEDESTRIAN UNDERPASS AT**

**BARKA**

**BILL OF QUANTITIES  
BILL 19 - DAYWORKS**

Item No	Description	Unit	Estimated Quantity	Unit Rate		Amount	
				R.O.	Bz	R.O.	Bz
	<b>SUMMARY</b>						
	Page 19-1						797.900
	Page 19-2						326.700
	Page 19-3						122.500
	Page 19-4						156.000
	Page 19-5						376.500
	Page 19-6						271.000
	Page 19-7						32.850
	Page 19-8						7.500
	Page 19-9						33.000
	Page 19-10						216.700
	Page 19-11						444.900
				19-12	To Grand Summary		2785.550



**BILL OF QUANTITIES****GRAND SUMMARY**

Bill No	Description	Amount
		R.O.
1	Preliminaries	31430.000
2	Earthworks	3713.100
3	Granular and stabilized subbase, basecourse and stabilized subgrade	350.900
4	Bituminous Pavement	1188.000
5	Concrete and concrete structure	39319.000
6	Structural steel and other metal work	1339.000
7	Paint	N/A
8	Drainage and service ducts	4759.500
9	Slope protection and stabilization	N/A
10	Piling	N/A
11	Bridge bearing, expansion joints, joint seals and fillers	N/A
12	Sidewalks, paved areas and kerbs	N/A
13	Safety barriers, delineators and fences	N/A
14	Highway signs and road marking	110.000
15	Electrical installations	N/A
16	Landscape and irrigation	N/A
17	Utilities	4000.000
18	Plant and Equipment	N/A
19	Dayworks	2785.550
	Sub-total	88995.050
	Contingencies (10%)	8899.505
	<b>TOTAL CONTRACT VALUE (R.O)</b>	<b>97894.555</b>

(IN WORDS, THE TOTAL TENDER VALUE IS RIAL OMANI)

NAME OF TENDERER

DATE

-----  
SIGNATURE OF TENDERER

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

5720 S. UNIVERSITY AVE.

CHICAGO, ILL. 60637

TEL: 773-707-5200

FAX: 773-707-5200

WWW.PHYSICS.UCHICAGO.EDU

PHYSICS 435

CLASSICAL MECHANICS

PROF. J. JOYNT

PHYSICS 435

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