



#### **SULTANATE OF OMAN**

## MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF ROADS



# CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT BATINAH HIGHWAY

**TENDER DOCUMENTS** 

**BILL OF QUANTITIES** 



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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries Aries			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	SECTION 100 PRELIMINARIES			-	
	101 Bonds and Insurance				
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)	uns dunl			
					•
		1-1	Ca	Carried to summary	4000,000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries Aries		·	METALOS METOLOGICAS (SPECIAL SPECIAL S
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
·	104 Facilities for the Engineer				
104.1	Provision of Engineer's office (Type A. 1 unit x 8)	month	7	250.000	1750.000
104.2	Maintenance of Engineer's office (Type A. 1 unit $\kappa$ S)	month	7	150.000	1050,000
104.3	Provision of surveying instruments	month	i~	300.000	2100.000
104.4	Maintenance of surveying instruments	month	t-	150.000	1050.000
104.5	Provision of Engineer's accommodation				
	(i) Resident Engineer's accommodation (Type B, 2 unit $ imes$ 7)	month	14	250.000	3500.000
	(ii) Engineer's accommodation (Type C, 1 units x 8)	month	e/Z	150.000	
_	(iii) Engineer's accommodation (Type B, 1 unit x 8)	month	N/A	250.000	-
	(iv) Dining/Kitchen (Type D, 1 unit x 8)	month	N/A	250.000	
				<u>.</u>	an Maria de Caraca d
-		1.2	Car	Carried to summary	9450.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	AN UNDE	RPASS AT		grade 2 f. collective grade
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries Aries			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	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	and which the
	(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	<b>L</b> ~	80.000	560,000
104.10	In situ soil bearing capacity tests	n.r.	ಣ	20.000	00.000
104.11	Sub-soil investigation by specialist Contractor	prov. sum		200.000	200.000
ورسي مساعد شعيقات يادون مع راضو					
- Charles of Austrian State of		1-3	Ca	Carried to summary	3220.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries Aries			•
Item No	Description	Unit	Estimated Quantity	Unit Rate	Amount R.O. Bz
	105 Assistance for Engineer			ł	
105.1	Laborers to assist the Engineer ( no x months)	man month	N/A		
TO SOME OF THE PARTY.	106 Contractor's Compound				
106.1	Mobilization and demobilization of Contractor's facility	lump sum			
106.2	Maintenance of Contractor's facility	month	<i>r</i> -	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 Brgineer (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)	ce. m.	rate only	3.000	
		1.4	Ca	Carried to summary	13500.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL 1 - PRELIMINARIES	nes aries			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	108 Progress Photographs				
108.1	Provision of negatives and 5 sets of photographs (14 photos max.) (Mountable-Size 100 x 150 mm.)	month	t-	30.000	210.000
2. 02	109 Sign Boards				
109.1	Provision, erection, moving and maintenance of signboard (Wooden Type)	й. ц	Z/X	300.000	
	110 Commemoration Flaque and Opening Ceremony				
110.1	Supply and erection of commemoration plaque (Optional)	n.r.	A/Z		
110.2	Opening ceremony (Optional)	limp sum			
		i			\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		1-5	Ca	Carried to summary	210.000

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CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT	BILL 1 - PRELIMINARIES	Unit Rate Amount	115 Compliance with the Tender Documents	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	No	
		Item No	115 Compliance w	115.1 Allow for all costs and requirements stipular the Standard Conditi financial implications the various pay items	Clause No	

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT	AN UNDE	RPASS AT		
	BILL 0F QUANTITIES BILL 1 - PRELIMINARIES	TIES			
Item No	Description	Unit	Estimated	ŭ	벎
SITMMARY			Quantity	K.O. BZ	K.O. 52
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Page 1-1					4000.000
Page 1-2					9450.000
Page 1-3					3220.000
Page 1-4					13500.000
Page 1-5					210.000
Page 1-6					0.000
		<del></del>			
		1-7	To	To Ground Summary	30380,000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	AN UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 2 - EARTHWORKS	ries orks			
Item No	Description	Unit	Estimated	l ŭ	뒮
-MV-call			Quantity	R.O. Bz	R.O. Bz
	202 Removal of Structures and Obstructions				
202.1	Removal of Pavement (t=10 cm)	ca,m	88	2.000	176.000
202.2	Removal of Existing Guardrail	E	73	1.800	41.400
202.3	Removal of Curb Stone	E	50	1.500	30.000
V-1744	206 Excavation and Backfilling for Structures				
206.1	Structure excavation in soils to a depth of 2m	ca. m.	1462	1.000	1462,000
206.2	Structure excavation in soils to a depth more than 2m	cu. m.	975	1.700	1657.500
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	ca. m.	rate only	2.600	
206.5	Extra over 206.1,2,3,4 for excavation under water	cn. m.	rate only	2.900	A
		2-1	Car	Carried to summary	3366.900

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PASS AT	- 101		To Grand Summary
CONSTRUCTION OF PEDESTRIAN UNDER  AL QARAT  BILL OF QUANTITIES  BILL 2 - EARTHWORKS  Description	Item No     Description     Unit     Estimated       Quantity       SUMMARY	Page 2-1	6.6

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 3 - GRANULAR AND STABILIZED SUBBASE, BASE COURSE, STABILIZED SUBGRADE	ries Ase coul	RSE, STABIL	ZED SUBGR	ADE
Item No	Description	Umit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	300 GRANULAR AND STABILIZED SUBBASE, BASECOURSE AND STABILIZED SUBGRADE				
No was considerable figures.	302 Granular Subbase				
302.1	Granular subbase (class B) (150 mm thick)	ca, m,	64	2.000	98.000
	303 Aggregate Basecourse				
303.1	Aggregate basecourse (class B) ( 200 mm thick)	m.uo	65	3.300	214.500
		3-1	Car	Carried to summary	312.500

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n underpass at	BILL OF QUANTITIES LIZED SUBBASE, BASE COURSE, STABILIZED SUBGRADE	Unit Estimated Unit Rate Amount Quantity R.O. Bz		312.500					COL CYC
CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT	BILL 3 - GRANULAR AND STABILIZED SUBBASE, BASE	Item No Description	SUMMARY	Page 3-1	·				

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	NES AVEMEN	Ţ		
Item No	Description	Unit	Estimated	<u>*</u>	뉡
			Quantity	R.O. Bz	R.O. Bz
	400 BITUMINOUS PAVEMENT				medit is a
	401 Bituminous Prime Coat and Tack Coat				
					<u> </u>
401.1	Bituminous prime coat (MC 70)	r Str	400	0.250	100,000
401.2	Bituminous tack coat (RC 250)	\$\$ .*X	001	0.300	30,000
	402 Bituminous Basecourse				
402.1	Bituminous basecourse (class B) 80 mm.thick	cn.m	56	22.000	572.000
402.4	Increse or decrese in bituminous content from nominal rate	X Fr	rate only	0.050	
	405 Bituminous Wearing Course				
405.1	Bituminous wearing course (class B) (T=4 cm)	cu. m.	13	28.000	364.000
405.2	Increase or decrease in bitumen content from nominal rate	kg	rate only	0.050	
		4-1	ပဳ	Carried to summary	1066.000

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Me succession of the successio	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	N UNDE	RPASS AT T		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	SUMMARY Page 4-1				1066.000
		4-2	Can	Carried to summary	1066.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT	N UNDE	RPASS AT		
	BILL 5 - CONCRETE AND CONCRETE STRUCTURE	eere sti	RUCTURE		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	500 CONCRETE AND CONCRETE STRUCTURE				
	504 Concrete for Structure				
504.1	Concrete Class 16/20 (OPC cement) Blinding	cu, m.	46	22.000	1012.000
504.2	Concrete Class A 24/20 for pedestrian underpass, canopy and stairs (including all formwork, falsework and finish	m'nɔ	513	43.000	22059.000
	508 Pedestrian Underpass				
508.1	Water Stop	Ħ	74	7.000	518.000
		5.1	Car	Carried to summary	23589.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL GARAT	N UNDE	RPASS AT		
	BILL 6 - CONCRETE AND CONCRETE STRUCTURE	nes Rete sti	RUCTURE		
Item No	Description	Unit	Estimated	👸	Amount
		-	Quantity	R.O. Bz	R.O. Bz
	509 Reinforcing Steel				
509.1	High yield steel bar reinforcement of any diameter	tone	47	285.000	13395,000
		5-2	Car	Carried to summary	13395.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	AL GARAT BILL OF QUANTITIES	TES			
	B	ETE STI	RUCTURE		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	SIIMMARY				
	Page 5-1			-	23589.000
	Page 5-2				13395.000
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		5-3	Car	Carried to summary	36984.000
			•		

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
o Tolenov	AL QARAT				
-	BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK	TES OTHER D	<b>METALWOR</b> E		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	600 STRUCTURAL STEEL AND OTHER METALWORK				
	604 Handrail				
604.1	Pedestrian Underpass Handrails (Mild Steel) (D=50 mm)	E	45	15.000	675.000
604.2	Galvanized Steel Bar for canopy (D=50 mm)	£	<u>ი</u>	11.000	649,000
		6.1	Car	Carried to summary	1324.000

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SUMMARY Page 6-1	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	BILL OF QUANTITIES BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK	Description Unit Estimated Unit Rate Amount	Quantity R.O. Bz R.O. Bz		1324.000					6.2
	CONSTRUCTION OF PED	BILL 0 - STRUCTURAL STEI	Item No Description		SUMMARY	Page 6-1					

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
وقرد فوالوسالية والمسالة	AL GARAT BILL OF CITANTIFES	TES			
	BILL 8 - DRAINAGE AND SE	SERVICE DUCTS	ucrs		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	805 Water proofing for structure				
805.1	Waterproofing membrane	sq.m.	N/A	1.800	
805.2	Mastic asphalt waterproofing	sd.m.	519	8.000	4152.000
805.3	Bituminous paint	sq.m.	519	0.350	181.650
		8.1	Ca	Carried to summary	4333.650

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	-	,		
Some was a second second	AL GARAI BILL OF QUANTITIES BILL 8 - DRAINAGE AND SERVICE DUCTS				·
Item No	Description	Unit	Estimated Quantity	Unit Rate	Amount B O Bz
	SUMMARY				1
	Page 8-1				4333.650
and the second seco					
- Control of the cont		-			
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	٠.				
		8.2	Ca	Carried to summary	4333,650

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	TES ROAD M	IARKING		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1400 HIGHWAY SIGNS AND ROAD MARKING				
	1401 Highway Signs				
1401.1	Highway sign for pedestrian underpass	ri ri	ଧ	55.000	110.000
		14.1	Car	Carried to summary	110.000

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CONSTRUCTION OF PEDESTRIAN UNDERPASS AT AL QARAT BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING Description  Tuit Estimated Quantity R.O. Ez SUMMARY  Page 14-1  Page 14-1  Table 14-2  T		* Of the street		K.C.	10,000		i de la companya de l	000
CONSTRUCTION OF PEDESTRIAN UNDERPASS AT  AL QARAT BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING Description  Description  Page 14-1  Page 14-1  Page 14-1			Unit Rate				_	5
SUMMARY Page 14-1	RPASS AT	AARKING	Estimated	Quantity		 		
SUMMARY Page 14-1	AN UNDE	TIES O ROAD D	Unit					14.9
4 D5 1	CONSTRUCTION OF PEDESTRI	AL QARAT BILL 0F QUANTI BILL 14 - HIGHWAY SIGNS AN		SUMMARY	Page 14.1			

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 17 - UTULITIES	IES ES			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	1700 UTILITIES		) }		1
	1701 Utilities				
	Kemove caretully and relocate low voitage electric poles, telephone poles, including removal of lines, excavation, backfilling amd 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	Ca	Carried to summary	4000.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	IN UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 17 - UTULITIES	ries Tes			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
	Page 17-1	Prov Sum			4000.000
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<del>Oncola de la co</del>					The second se
n escale o si il est				-	
ar ar construit substant land					olec Proje ugalici nati na cilga
		17.2	To	To Grand Summary	4000.000
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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	AN UNDE	RPASS AT		
ramalino despriantento	BILL OF QUANTITIES BILL 19 - DAYWORKS	TIES			
Item No	Description	Unit	Estimated	l ¥il	꿈
			Quantity	R.O. Bz	R.O. Bz
· van	A. WAGES				
oblina i managan sa ma	These include proper wages, all used allowance, medical expense and all other charges provided for by local laws				CAL makepeda aggraphically archid
Α1	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.	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
. 6.A	Semi Skilled Labour	hour	100	0.600	60.000
		19-1	Car	Carried to Summary	797.900

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
Item No	Description	Unit	Estimated	Unit Rate	ايد
			Quantity	R.O. Bz	R.O. Bz
A.10	Ordinary Labour	hour	001	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	Blectnician	hour	જા	0.850	1.700
					O-O-S-Mari Statement and and
					en elemente de la composition della composition
		19-2	Car	Carried to Summary	326.700

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	AN UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TIES RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
	B. OPERATING EQUIPMENT ON SITE		Quantity	P.O. DZ	
	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.	sst.			
ğ	Motorgrader from 100 hp up to 120 hp	hour	ဟ	9.500	47.500
8.2	Motorgrader from 120 hp up to 150 hp	hour	N/A	11.500	онервору, почет принст
Б 85	Tractor from 60 to 100 hp	hour	N/A	4.000	
Ж. 4.	Bulldozer with ripper from 100 hp to 150 hp	hour	ນາ	7.000	35.000
5.5	Bulldozer with ripper from 150 hp to 200 hp	hour	N/A	8.000	A CONTRACTOR
B.6	Bulldozer with ripper from 200 hp to250 hp	hour	N/A	18,000	er en
ر- ش	Bulldozer with ripper from 250 hp to 300 hp	hour	K/Z	19.500	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
B.8	Wheel tractor up to 50 hp	hour	10	4.000	40.000
		19-3	Car	Carried to Summary	122,500

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries Rks			
Item No	Description	Unit	Estimated	Unit Rate	Amount RO R.
B.9	Wheel tractor over 50 hp	hour	N/A	۲.	
B.10	Motor scraper capacity up to 18 cu.m.	hour	Z/A	19.000	
B.11	Motor scraper capacity from 18 to 24 cu.m.	hour	K/X	19.000	
B.12	Sheeps foot roller, from 5 tonnes to 10 tonnnes	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	Ęª.	0000	20.000
B.15	Vibratory compactor with prime mover from 5 to 10 tonnes	hour	₹"	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	Car	Carried to Summary	156.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	AL QARAT BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			make was cu mayê dida kepesîhê diskarê
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
B.20	Triaxle roller from 10 to 15 tonnes	hour	N/A	2,000	
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 loder 1.2 to 1.6 cu.m.	hour	50	9.500	190.000
B.24	Wheel loder 1.6 to 2.0 cu.m.	hour	N/A	10.000	
B.25	Wheel loder 2.0 to 2.5 cu.m.	hour	N/A	11.000	
B.26	Excavator up to 0.8 cu.m.	hour	15	3.500	82.500
B.27	Excavator from 0.8 to 1.2 cu.m.	hour	N/A	7.500	асештвере (Во ТаАес.
B.28	Bituminous mixing plant with batching apparatus up to 80 t/h.	hour	N/A	18.000	nde SE - mar miles (Print)
82.29	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	90.00
		19-5	Ca	Carried to Summary	376.500

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	NES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
مريد ومراد المراد ما			Quantity	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	20.000
	Tanker truck up to 6 cu.m.	hour	15	3.000	75.000
B.34	Dump truck up to 10 tonnes	hour	17	5,500	93.50
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 Vm.	hour	15	2.000	30.000
B.41	Mechanical broom	hour	N/A	4.000	
		19-6	Car	Carried to Summary	271.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	nes rks			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
B.42	Power water pump	hour	N/A	lo	1
B.43	Steel cutting machine	hour	ಬ	0.800	
B.44	Steel bending machine	hour	N/A	1.200	
B.45	Belt conveyor	hour	N/A	000،۲	
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	Communication (Communication)
B.48	Automatic concrete batch plant without mixing drum	hour	N/A	7,500	of the Canada Pharents
B.49	Transminer up to 5 cu.m.	hour	A/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	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
B.52	Crane with broom and jib 5 to 10 tonnes	hour	N/A	8.000	
		19-7	Ca	Carried to Summary	32,850

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	IES KKS			
Item No	Description	Unit	Estimated	🛱	뉥
	C. MATERIALS		Quantity	K.O. Bz	K.O. Bz
	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.	ເວ	1,000	5,000
, <u>6</u>	Aggregate for granular aggregate base course in accordance with the Gener Special Specifications, in place as specified.	cu.m.	က	2.000	6.000
ဗိ	Aggregate for bituminous base course in accordance with the General and Special Specifications, near the asphalt plant, in bulk	cu.m.	က	2.000	10,000
Q.	Fine aggregate for concrete, in accordance with the General and Special Specifications, in place, in bulk	cu.m.	ო	2.000	6.000
12 C)	Coarse aggregates for concrete, in accordance with the General and Special specifications, in place, in bulk	cu.m.	മ	1.200	6.000
		19-9	Ca	Carried to Summary	33.000

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
Item No	Description	Unit	Estimated	Unit Rate	Amount PO B.
			Quantity	1	-
6.	Stone for drainage, masonry and slope protection, in accordance with the General and Special Specifications in place	cn.m.	က	2.500	7.500
r- O	Asphalt cement, grade 60-70 on site	ton	0,1	44.000	4,400
တိ	Asphalt cement, grade 50-60 on site	ton	0.1	48,000	4,800
თ. ()	Emulsified asphalt, grade RS-1 on site	ton	0.1	70,000	7.000
0.10	Cutback asphalt, MC and RC type on site	ton	0.1	75.000	7.500
C.11	Portland cement on site	ton	0.1	23.000	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.	ന	32.000	96.000
C.15	Highway sign supports • 1 post	nr.	4	15.000	60.000
		19-10	Can	Carried to Summary	216.700

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	PE AL OF	AN UNDE	RPASS AT		
Item No	BILL 19 - DAYWORKS Description	RKS Unit	Estimated	Ιĕί	
ā.	Himburgay cime companie. Proct	\$. £	Quantity 2	P.O. DZ	40.000
0.17	Timber plank, on site	cu.m.	ı r	105.000	105.000
C.18	Timber props, on site	cu.m.		105.000	105.000
C.19	Wire mesh gabgions, on site	ton	0.5	320.000	160.000
C:30	Explosive, on site	X ej	N/A	20.000	
C.21	Gas oil, on site	litre	20	0.080	4.000
C.22	Gasoline, on site	litre	250	0.120	30,000
C.23	Lubricant	Ä Ř	œ	0.300	0.900
		19-11	Ca	Carried to Summary	444.900

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	CONSTRUCTION OF PEDESTRIAN UNDERPASS AT	N UNDE	RPASS AT		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	NES			
Item No	Description	Unit	Estimated	Unit Rate	Amount RO R
4945045	SUMMARY		granucy		
	Page 19-1				797.900
	Page 19-2				326.700
* • * <u>* • • • • • • • • • • • • • • • •</u>	Page 19-3 Page 19-4			-	122.500
	Page 19-5			·	376.500
	Page 19-6				271.000
	Page 19-7				32.850
Powerful and	Page 19-8		•		7.500
	Page 19-9				33.000
	Page 19-10				216.700
	Page 19-11			<u> </u>	444.900
			E	5	C 10 6 6
		19-12	0.1	To Grand Summary	2785.550

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#### BILL OF QUANTITIES

#### **GRAND SUMMARY**

		Amount
Bill No	Description	R.O.
1	Preliminaries	30380.000
2	Earthworks	3366,900
3	Granular and stabilized subbase, basecourse and stabilized subgrade	312.500
4	Bituminous Pavement	1066,000
5	Concrete and concrete structure	36984.000
6	Structural steel and other metal work	1324.000
7	Paint	N/A
8	Drainage and service ducts	4333.650
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 Sub-total	84662.600
	Contingencies (10%)	8466,260
	TOTAL CONTRACT VALUE (R.O)	93128.860

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

NAME OF TENDERER	DATE	
SIGNATURE OF TENDERER		

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