



SULTANATE OF OMAN

MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF ROADS



CONSTRUCTION OF FLYOVER AT SAHAM ROUNDABOUT BATINAH HIGHWAY

TENDER DOCUMENTS

BILL OF QUANTITIES

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	CONSTRUCTION OF FLYOVER AT SAHAM	YOVER A	H		
zmlokowaniakasiwi-ma	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				
AMOUNT LANGUE	101 Bonds and Insurance				
101.1	Performance Bond (Clause 10 of Standard Conditions of Contract)	Jump 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)	Jump sum			
101.5	Accident or injury to Workmen (Clause 24 of Standard Condition of Contract)	lump sum			
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·		1-1	Ca	Carried to summary	44250.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E		(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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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 24)	month	20	250.000	5000.000
104.2	Maintenance of Engineer's office (Type A, 1 unit x 24)	month	20	150.000	3000.000
104.3	Provision of surveying instruments	month	18	300.000	5400.000
104.4	Maintenance of surveying instruments	month	18	150.000	2700.000
104.5	Provision of Engineer's accommodation				
	(i) Resident Engineer's accommodation (Type B, 1 unit x 24)	month	N/A	250.000	Market for American
	(ii) Engineer's accommodation (Type C, 5 units x 24)	month	N/A	400.000	
	(iii) Engineer's accommodation (Type B, 1 unit x 24)	month	ď Ž	250.000	
	(iv) Dining/Kitchen (Type D, 1 unit x 24)	month	N/A	250.000	mendelen der gegeneren der
-		1-2	Ca	Carried to summary	16100.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	TIES 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, 1 unit x 24)	month	N/A	150,000	
	(ii) Engineer's accommodation (Type C, 5 unit x 24)	month	N/A	250.000	
	(iii) Engineer's accommodation (Type B, 1 unit x 24)	month	N/A	150.000	
	(iv) Dining/Kitchen (Type D, 1 unit x 24)	month	N/A	250.000	
104.7	Provision of laboratory	month	20	400.000	8000.000
104.8	Maintenance of laboratory	month	18	150.000	2700.000
104.10	In situ soil bearing capacity tests	n.r.	20	20.000	400.000
104,11	Sub-soil investigation by specialist Contractor	prov. sum		8,000.000	8000.000
		1-3	Car	Carried to summary	19100,000

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	BILL 1 - PRELIMINARIES	ries Aries			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	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	uns dun			100000,000
106.2	Maintenance of Contractor's facility	month	18	5,000.000	90000.0006
	107 Maintenance and Protection of Traffic				
107.1	Maintenance and protection of traffic	uns dunl			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)	ca. m.			nggagarahan gangkal Anggawa Selenggan And
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.			A. T. A. B. Pilly Mell's self-stable reconstruction
		1-4	Car	Carried to summary	290000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	H		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries 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	80	30.000	000.000
÷	109 Sign Boards				
109.1	Provision, erection, moving and maintenance of signboard (Wooden Type)	n.r.	ଷ	300.000	600.000
					
	110 Commemoration Plaque and Opening Ceremony				
110.1	Supply and erection of commemoration plaque (Optional)	n.r.	Н	Option	
110.2	Opening ceremony (Optional)	lump sum			
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				-	
		1-5	Ca	Carried to summary	1200.000
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	CONSTRUCTION OF FLYOVER AT SAHAM BILL OF QUANTITIES	YOVER A'	<u>-</u>		
	BILL 1 - PRELIMINARIES	ARIES			
Item No	Description	Unit	Estimated	滋	뉨
	115 Compliance with the Tender Documents		&uanuty	r.O. pz	M.O. DZ
115.1	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				
	Clause No	mns dunl mns dunl mns dunl mns dunl mns dunl mns dunl			
		1-6	Ca	Carried to summary	

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Jelunyaine	CONSTRUCTION OF FLIOVER AT	XOVER A	≓	_	
	BILL 1 - PRELIMINARIES	TES ARIES			
Item No	Description	Unit	Estimated	ığı.	멅
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY	· •,•			
	Page 1-1				44250.000
	Page 1-2				16100.000
· · · · · · · · · · · · · · · · · · ·	Page 1.3				19100.000
, or a service of	Page 1-4				290000.000
. dvanovi doga u	Page 1.5				1200.000
	Page 1-6				0.000
				Was dead for	
					ng Bang Cangung mandakhan (Am
					dalika da makabu yangi
- Sv-toware		1-7	ToC	To Ground Summary	370650.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 2 - EARTHWORKS	ries Orks			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	200 EARTHWORKS				
••••• <u>•</u> ••••	201 Clearing and Grubbing				A Company
201.1	Removal and delivery of trees of 300mm trunk diameter or greater	n.r.	85	15.000	870.000
×	202 Removal of Structures and Obstructions				
202.1	Removal of existing building (Shop, etc)	n,r.	ന	200.000	600.000
202.2	Removal of misc. reinforced concrete structures	ca. m.	88	5.000	140.000
202.3	Removal of pipe culvert (D=0.6,0.75,0.9)	lin.m.	191	2.000	382.000
202.4	Removal of asphaltic concrete pavement (100 mm thick)	cn. m.	4562	2.000	9124.000
202.5	Removal of damaged steel safety barrier (Girdrail)	lin.m.	3278	1.800	5900.400
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		2-1	Car	Carried to summary	17016,400

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ŧ		
	BILL OF QUANTITIES BILL 2 - EARTHWORKS	TIES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
202.6	Remove carefully and relocate sign boards and road signs (size)	n.r.	74	<u></u>	တ်
202.7	Removal of damaged Irish crossing marker posts	ה.ץ.	N/A	2.500	
202.8	Removal of damaged drainage protection works (gabions, conc. tiles, mortared riprap, dry rip rap)	cu. m.	N/A	3.500	
202.9	Removal of existing fences (wire mesh, chicken wire)	lin.m.	N/A	1.500	
202.10	Removal of existing fences (block or masonry wall)	lin.m.	N/A	2.000	
202.11	Removal of existing box culvert $(2 \times 1 \text{ m})$	lin.m.	N/A	5,000	oya masa maddala
202.12	Removal of existing interlocking tiles	sd. m	1822	1.200	2186.400
202.13	Removal of existing crush stone	lin.m.	N/A	1,000	
202.14	Removal of existing plain concrete	cu. m.	640	2.000	1280.000
202.15	Removal of Curb Stone	٤	4221	1.500	6331.500
		2.2	Car	Carried to summary	10056.900

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£4		
	BILL OF QUANTITIES BILL 2 - EARTHWORKS	TES RKS	•		
Item No	Description	Unit	Estimated	Unit Rate	Amount RO Ro
	203 Earthworks Excavation		(among a		
203.1	Suitable excavation to embankment	cu. m.	33500	0.600	20100.000
203.2	Suitable excavation to waste	cu. m.	7886	0.300	2365.800
203.3	Unsuitable excavation to waste	ca. m.	N/A	0.400	
203.4	Borrow excavation to embankment	cu. m.	62798	1,500	94197.000
203.5	Extra over item 203.1, 2, 3 for excavation under water	cn. m.	N/A	3.000	
	206 Excavation and Backfilling for Structures				
206.1	Structure excavation in soils to a depth of 2m	cu. m.	424	1.000	424.000
206.2	Structure excavation in soils to a depth more than 2m	cu. m.	N/A	1.700	
		2-3	Ca	Carried to summary	117086.800

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	BILL 2 - EARTHWORKS	TES RKS			Sec Transfer Sec.
Item No	Description	Unit	Estimated Onantity	Unit Rate	Amount R. R.
206.3	Structural excavation in rock to a depth of 2m	cu. m.	N/A	.	
206.4	Structural excavation in rock to a depth more than 2m	cu. m.	N/A	2.600	
206.5	Extra over 206.1,2,3,4 for excavation under water	cu. m.	N/A	2.900	
		2-4	Car	Carried to summary	0.000

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		CONSTRUCTION OF FLYOVER AT	YOVER A	E		
· •••		SAHAM				
# 32_mr_(o1_1110)		BILL OF QUANTITIES BILL 2 - EARTHWORKS	TIES ORKS			
Item No		Description	Unit	Estimated	Unit Rate	Amount
				Quantity	R.O. Bz	R.O. Bz
	SUMMARY					
	Page 2-1					17016.400
	Page 2-2					10056.900
	Page 2-3			-		117086.800
* internet	Page 2.4		•			0.000
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			2-5	To	To Grand Summary	144160.100

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	CONSTRUCTION OF FLYOVER AT	OVER A	[-4		
		TES SE COU	RSE, STABII	ITTIES BASE COURSE, STABILIZED SUBGRADE	(ADE
Item No	Description	Unit	Estimated	اێڐ	뉡
			Quantity	R.O. Bz	R.O. Bz
	300 GRANULAR AND STABILIZED SUBBASE, BASECOURSE AND STABILIZED SUBGRADE				APLEMENTALISMO (APLEMENT) iş Şirgar
	302 Granular Subbasc				
302.1	Granular subbase (class B) (150 mm thick)	ca. m.	5318	2.000	10636.000
av alok, dele nongruppung	303 Aggregate Basecourse				
303.1	Aggregate basecourse (class B) (300 mm thick)	ca, m.	N/A	3,600	
303.2	Aggregate basecourse (class B) (250 mm thick)	cu. m.	5194	3.500	18179.000
303.3	Aggregate basecourse (class B) (200 mm thick)	cu, m.	5775	3.300	19057.500
303.4	Aggregate basecourse (class B) (150 mm thick)	ca. m.	1317	3.000	3951.000
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		3.1	Car	Carried to summary	51823.500

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	CONSTRUCTION OF FLYOVER AT	YOVER A'	٠		
	BILL 3 - GRANULAR AND STABILIZED SUBBASE, BASE COURSE, STABILIZED SUBGRADE	TES SE COUI	SE, STABIL	IZED SUBGR	ADE
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	SUMMARY				
	Page 3-1				51823.500
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		3-2	Car	Carried to summary	51823.500
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	CONSTRUCTION OF FLYOVER AT	YOVER A	T:		
	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	ries Avemen	T.		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	400 BITUMINOUS PAVEMENT				
	401 Bituminous Prime Coat and Tack Coat		-		
401.1	Bituminous prime coat (MC 70)	ĸ	46746	0.250	11686,500
		;			
401.2	Bituminous tack coat (RC 250)	ş. çı	9930	0.300	2979,000
	402 Bituminous Basecourse				
402.1	Bituminous basecourse (class B) 50 mm.thick	cu, m.	2630	22.000	57860,000
402.2	Bituminous basecourse (class B) 100 mm.thick	cu.m.	4965	28.000	139020.000
402.4	Increse or decrese in bituminous content from nominal rate	झ	rate only	0.050	and the second
		4-1	Car	Carried to summary	211545.500

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	CONSTRUCTION OF FLYOVER AT SAHAM	YOVER A	T.		
	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	ries Avemen	T		
Item No	Description	Unit	Estimated	Unit Rate	Amount
	405 Bituminous Wearing Course		guanury		
405.1	Bituminous wearing course (class B) (50 mm thick)	ca, m.	3260	28.000	91280.000
405.2	Increase or decrease in bitumen content from nominal rate	አ ጮ	rate only	0.050	
		4-2	Cai	Carried to summary	91280.000

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	CONSTRUCTION OF FLYOVER AT	TOVER A	Ţ		
- Capitagh - San phaghas ann an	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	TES AVEMEN	Ţ		
Item No	Description	Unit	Estimated	💥	뮕
			Quantity	R.O. DZ	A.O. DZ
	SUMMARY				
	Page 4-1				211545.500
-2	Page 4-2				91280.000
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		4-3	Car	Carried to summary	302825.500

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	CONSTRUCTION OF FLYOVER AT SAHAM	YOVER A	Ę-į		
	BILL 5 - CONCRETE AND CONCRETE STRUCTURE	TIES RETE ST	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				and the second seco
504.1	Concrete Class 16/20 (OPC cement) Blinding, Gravity Wall	cu. m.	4143	30.000	124290.000
504.2	Concrete Class A 24/20 for retaining wall, abutment and piers (OPC)	m.uo	10570	35.000	36950.000
504.3	Concrete Class 32/20 for bridge deck. cross beam and joint	cn.m	353	20.000	17650.000
504.4	Cast-in-Situ Concrete Class 24/20 for bridge deck for cantilever	cu.m	1003	38.000	38114.000
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o ^s do la production de la constanta de la co					
·		5-1	C	Carried to summary	550004,000

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	CONSTRUCTION OF FLYOVER AT SAHAM BILL OF QUANTITIES BILL 5 - CONCRETE AND CONCRETE STRUCTURE	OVER A IES IETE STI	T RUCTURE		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	506 Prestressed Concrete for Bridge				
506.1	Precast, pre-stressed bridge beam, reinforced concrete class AA40 including all reinforcement, tendons, tension cable strands, approved anchorage points. "Erevssinet" system or equal and approved, sheaths, de-watering, pipes grouting in accordance with manufacturers recommendations, all complete and as detailed on tender drawings.				
	a) PS Box girders (Internal) 26 m long	n.r.	198	2,400.000	475200.000
	b) PS Box girders (External) 26 m long	n.:	44	2,700.000	118800.000
		5-2	Car	Carried to summary	594000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£4		
	BILL OF QUANTITIES BILL 5 - CONCRETE AND CONCRETE STRUCTURE	ries Rete sti	RUCTURE		
Item No	Description	Unit	Estimated	I ĕI	밁
	509 Reinforcing Steel		Quantity	R.O. Bz	R.O. Bz
509.1	High yield steel bar reinforcement of any diameter	tone	907	285.000	258495.000
509.2	Mild steel bar reinforcement of any diameter	tone	N/A	300.000	
509.3	Mesh reinforcement of any size	tone	N/A	400.000	- · · · ·
			-		
		5-3	Car	Carried to summary	258495.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	SAHAM BILL OF QUANTITIES	ries			·
	α	RETE ST	RUCTURE		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
	Page 5-1				550004.000
	Page 5-2				594000.000
	Page 5.3				258495.000
					
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		ر. بر	Ç	Carried to summary	1402499.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	T		
·	SAHAM				
	BILL OF QUANTITIES BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK	TES OTHER	KETALWORK		
Item No	Description	Unit	Estimated	Unit Rate	Amount
- F2 Table 2			Quantity	R.O. Bz	R.O. Bz
	600 STRUCTURAL STEEL AND OTHER METALWORK		-		
	603 Bridge Parapets				
603.1	Bridge Handrails (Aluminum) (H=500 mm)	lin.m.	2163	45.000	97335.000
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					Salaraya, Juda
					gden i Banaki

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○		6-1	Can	Carried to summary	97335.000

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			Amount	R.O.		97335.000								97335.000
		Z	Unit Rate	R.O. Bz				· ,			<u></u>		·	Carried to summary
£,		METALWORI	Estimated	Quantity										Can
YOVER A	ries	OTHER	Unit			-								6-2
CONSTRUCTION OF FLYOVER AT	SAHAM BILL OF QUANTITIES	BILL 6 - STRUCTURAL STEEL AND	o		SUMMARY	Page 6-1								
	<u> </u>		Item No						. 7	Politika jako a le		s de la residenta de la composición de		

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	CONSTRUCTION OF FLYOVER AT	OVER A	£		
	SAHAM	ت پ			
<i>.</i>	BILL 8 - DRAINAGE AND SERVICE DUCTE	rvice d	UCTE		
Item No	Description	Unit	Estimated		뉡
			Quantity	R.O. Bz	R.O. Bz
	800 DRAINAGE AND SERVICE DUCTS				
	801 Pipe Culverts				
801.1	Reinforced concrete pipe culvert (600 mm. dia.)	lin.m	254	35.000	8890.000
801.2	Reinforced concrete pipe culvert (750 mm. dia.)	lin,m	N/A	45.000	
· · · · · · · · · · · · · · · · · · ·	802 Reinforced Concrete Box Culverts, Box Culverts and Pipe Culverts Headwalls, Wingwalls and Aprons (SRP cement)				
802.1	Concrete (Class 24/20), Box Culverts, Box Culverts and Pipe Culverts Headwalls, Wingwalls, Wingwalls, Wingwalls, and Aprons (SRP Cement), all complete and as detailed on drawing	valls, Wingw	alls,		omer-unnersedus-vienn
802.1.1	Box culvert 2 x 1 m 1 cell	lin.m	N/A	000.09	
802.1.2	Box culvert 2 x 1 m 2 cell	lin.m	∀/N	110.000	
		8-1	Ca	Carried to summary	8890.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	IJ		
44 42 36 Laborator 3 4 20	SARAM BILL OF QUANTITIES BILL 8 - DRAINAGE AND SERVICE DUCTE	ES VICE D'	UCTE		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	804 Catch Basins, Catch Pits, Manholes, Curb Inlets, Ditch Inlets and Outlets				
- Olden salvi samaya karasya	Reinforced concrete catch pit comprising excavation, backfilling, disposal, 100 mm thick plain in-situ sulphate resisting concrete class (12/20) blinding.				
	concrete class (24/20) for structure, all complete and as detailed on drawing				
804.1	Catch Pits 1 x 1 x 2 m	n.ť.	φ	180.000	1080.000
W	Reinforcwed concrete gullies comprising excavation, backfilling, disposal, 150 mm bed and walls of reinforces sulphate resisting concrete class (24/20) all complete and as detailed on drawings				
804.2	Gullies 300 x 300 mm	lin.m	1206	25.000	30150.000
Portido estante u managação					
		8.2	Car	Carried to summary	31230.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	H		
	BILL 8 - DRAINAGE AND SERVIC	TITIES SERVICE DUCTE	UCTE		
Item No	Description	Unit	Estimated	쑱	뉡
	805 Water proofing for structure		Quantity	K.O. Bz	K.O. Bz
805.1	Waterproofing membrane	sq.m.	N/A	1.800	
805.2	Mastic asphalt waterproofing	sq.m.	N/A	8.000	
805.3	Bituminous paint	sg.m.	3000	0.350	1050.000
	807 Service Ducts				
807.1	Service duct (A.C. 150 mm dia1 way with concrete surround), including duct markers	lin.m.	N/A	2.200	
807.1.1	Service duct (A.C. 150 mm dia2 way with concrete surround), including duct markers	lin.m.	276	4.000	1104.000
807.2	Extra over for excavation in rock for service ducte	ca.m.	N/A		
		8-3	Ca	Carried to summary	2154.000

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			Amount	R.O.		8890.000	31230.000	2154.000	42274.000
			Unit Rate	R.O. Bz					Carried to summary
ΛŢ		UCTE	Estimated	Quantity					Car
YOVER /	!	TIES RVICE D	Unit						×- 4-
CONSTRUCTION OF FLYOVER AT	SAHAM	BILL 8 - DRAINAGE AND SERVICE DUCTE	1 No Description		SUMMARY	Page 8-1	Page 8-2	Page 8-3	
	*******************************		Item No						

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	CONSTRUCTION OF FLYOVER AT	YOVER A	FI		
-	BILL OF QUANTITIES BILL 9 - SLOPE PROTECTION AND STABILISATION	TES ID STABI	LISATION		
Item No		Unit	Estimated	Unit Rate	Amount RO Bz
	900 SLOPE PLOTECTION AND STABILISATION		fam. many		ı
	901 Riprap				
901.2	Mortared stone riprap (Class A), in Irish Crossing	ca.m.	N/A	13.000	
901.2.1	Mortared stone riprap (Class A), other than Irish Crossing	cu.m.	263	16.000	4208.000
		9-1	Ca	Carried to summary	4208.000
2					

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			Amount	R.O. Bz		4208.000	i da		martin and an annual services. Services and an annual services and an annual services and an annual services a	And an artist of the second	CONT. SANCE COME. SECTION STATE PROPERTY.	4208.000
		•	Unit Rate	R.O. Bz								Carried to summary
	Ę	LISATION	Estimated	Quantity		-						Car
3	XOVER A	TIES ND STABI	Unit									8.5
S S S S S S S S S S S S S S S S S S S	CONSTRUCTION OF FLYOVER AT SAHAM	BILL OF QUANTITIES BILL 9 - SLOPE PROTECTION AND STABILISATION			SUMMARY	Page 9-1						
			Item No					· · · · · · · · · · · · · · · · · · ·				

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	CONSTRUCTION OF FLYOVER AT	OVER A	E4		
	BILL OF QUANTITIES BILL 10 - PILING	IES			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	1000 PILING 1001 Piling				
1001.1	Reverse Pilling Method or equivalent Diameter = 600 mm including setting up of piles, driving and testing, all complete and as detailed on tender drawings	lin.m	8258	30.000	247740.000
	•	<u> </u>			
		10-1	Car	Carried to summary	247740.000

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Item No	SAHAM BILL OF QUANTITIES BILL 10 - PILING BIRC 10 - PILING Description Page 10-1	YOVER A	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz 247740.000
		10-2	Car	Carried to summary	247740.000

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	CONSTRUCTION OF FLYOVER AT SAHAM	OVER A	£.		:
	BILL 11 - BRIDGE BEARIBGS, EXPANSION JOINT, JOINTS SEAL AND FILLERS	IES NT, JOIN	ITS SEAL AN	ID FILLERS	
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
- 130 - 100	1100 BRIDGE BEARINGS, EXPANSION JOINT, JOINTS SEALS AND FILLERS				
	1101 Bridge Bearings				
1101.1	Synthetic Rubber Shoc $460 \times 360 \times 80 \text{ mm}$ including anchor bar, cap, filler reinforcing bar, spiral bar and shrinkage mortar	มีเน	484	40.000	19360.000
	1102 Bridge Expansion Joints		-		
1102.1	Bridge expansion joint Movement Range W=50 mm	E	44	150.000	000.000
1102.1.1	Bridge expansion joint Movement Range W=100 mm	E	222	280.000	62160.000
		11-1	To	To Grand Summary	88120.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E		
	SAHAM BILL OF QUANTITIES	ries	1		
	BILL 11 - BRIDGE BEARIBGS, EXPANSION JOINT, JOINTS SEAL AND FILLERS	INT, JOIN	TES SEAL AN	ID FILLERS	
Item No	Description	Unit	Estimated	Ľ١	뉡
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
	Page 11-1				88120.000
		11-2	To	To Grand Summary	88120.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	£		
	SARAM BILL OF QUANTITIES	TES			
	A	REAS AN	ID CURBS		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	1200 SIDE WALKS, PAVED AREAS AND CURBS				-
	1201 Sidewalks				M. Phile Sea Sea Sea Sea Sea Sea Sea Sea Sea Se
1201.1	Interlocking Block Pavement including granular Basecourse t = $150~\mathrm{mm}$	sd. m	5318	4.000	21272.000
	1202 Curbs				
1202.1.1	Curb 100 x 200 (Mountable) Curb 150 x 350 (Mountable)	lin.m. lin.m	2232 80	3.500	7812.000
1202.1.3	Curb 150 x 350 (None mountable) All curbs are hydraulically pressed sulphate resisting concrete class A (45/20) beded jointed and pointed in 10 mm thick sand cement erout. including all necessary excavation, backfill, dispose, formwork and all necessary works for complete.	lin.m. D	4812	4.000	19248.000
		12-1	Ca	Carried to summary	48732.000
		- I C	:		

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CONSTRUCTION OF FLYOVER AT SAHAM BILL OF QUANTITIES BILL 12 - SIDEWALKS, PAVED AREAS AND CURBS	Item No Description Unit Rate Amount Quantity R.O. Bz R.O. Bz SUMMARY Page 12-1		
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	CONSTRUCTION OF FLYOVER AT	OVER A	E		
	BILL OF QUANTITIES BILL 13 - SAFETY BARRIERS, DELINEATORS AND FENCES	IES EATORS	AND FENCI	SS	
Item No	Description	Unit	Estimated	151	Amount
	1300 SAFETY BARRIERS, DELINEATORS AND FENCE		Quanty	P.O. DZ	10.O.
	1301 Corrugated Steel Beam Safety Barrier				
1301.1.1	Safety barrier beam (Type-A) including posts and end anchor	lin.m.	2387	12.000	28644.000
1301.1.2	Safety barrier beam (Type-C) including posts and end anchor	lin.m	1340	13.000	17420.000
	1302 Reflectorised Markers for Safety Barriers				
1303.1	Reflectorised markers attached to guardrail	n.r.	245	8.000	1960.000
1303.2	Reflectorised markers attached to concrete	r.r.			
		13-1	ပ်	Carried to summary	48024.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
	SAHAM BILL OF QUANTITIES	ries	·		
	BILL 13 - SAFETY BARRIERS, DELINEATORS AND FENCES	TEATORS	AND FENCI	38	
	Description	Unit	Estimated	ž	731
			Quantity	R.O. Bz	R.O. Bz
SUMMARY	XX				
Page 13-1					48024.000
		13-2	Can	Carried to summary	48024.000

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	CONSTRUCTION OF FLYOVER AT SAHAM	OVER A	£-1		
	BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	IES 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, tnangular, size (900 mm)	n.r.	14	40.000	560.000
1401.2	Highway sign, circular, diameter (900 mm)	r X	83	20.000	1150.000
1401.3	Highway sign, rectangular, (600 x 2400, 750 x 1400 mm)	й й	12	200.000	2400.000
1401.4	Highway sign, square	n.r.	14	20.000	700.000
1401.6.1	Overhead signpost and support assembling cantilever	n.r.	4	2,000.000	8000.000
1401.6.2	1401.6.2 Overhead signpost and support assembling gantry	n.r.	લ	10,000.000	2000.000
		14-1	Car	Carried to summary	32810.000

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	CONSTRUCTION OF FLYOVER AT SAHAM	OVER A	£Ţ		
	BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	IES ROAD N	IARKING		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1402 Road Markings				
1402.1	Traffic lines (Mechanically sprayed)	ed. m	2211	1.500	3316.500
1402.2	Special markings (Hand sprayed)	sq. m	628	2.000	3140.000
1402.3	Curb painting (Black and yellow)	sd. m	1684	1.600	2694,400
1402.4	Reflecting road studs type red	n,r.	1007	4.410	4440.870
		-			Mark Mark Miller Make Carefung ya
No. of the Contract of the Con		14-2	Car	Carried to summary	13591.770

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	CONSTRUCTION OF FLYOVER AT	YOVER A	-		
	BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	TES ROAD M	CARKING		
Item No	Description	Unit	Estimated	Unit Rate	Amount
s. 44 °			Quantity	R.O. Bz	R.O. Bz
	SUMMARY			- - -	Total 18-70-17-17
					V = 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Page 14-1			•	32810.000
<u> </u>	Page 14-2				13591,770
-				,	
-					,
					
				_	
		14-3	To	To Grand Summary	46401.770
				L	

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES STALLAT	ION		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1500 ELECTRICAL INSTALLATION				
	1502 Medium Voltage Switching Stations	mns voad			50000.000
1502.1	Medium Voltage Switching Stations	n.r.			
	1503 Package Sub-stations				
1503.1	Package sub-station	n.r.			
ورسان شداد بالبران الاستاد والمساود	1504 Package Medium Voltage Switching Stations				
1504.1	Packing medium voltage switching station	n.r.			
		15-1	Car	Carried to summary	50000.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	£		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES TALLAT	ION		
Item No	Description	Unit	Estimated	Unit Rate	Amount R O B2
	1505 33kV and 11kV Pole Mounted Transformer Stations		(amount)	i	1
1505.1	33kV pole mounted transformer station	n,r.			
1505.2	11kV pole mounted transformer station	۳. تر بر			
	1506 Feeder Pillars				
1506.1	Feeder pillar	ייני		-	
No. of the Contract of the Con	1507 Cables				
1507.1	Cable (type) (size)	lin.m.			
		15-2	Ca	Carried to summary	

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES STALLAT	NOI		
Item No	Description	Unit	Estimated	IX	뀵
	1800 Dand Timbelian Maries Calling		Quantity	R.O. Bz	R.O. Bz
Mark - survey and	1906 Road Lignting Masts and Column			· · · · · · · · · · · · · · · · · · ·	in the second
1508.1	High mast assembly (type) (height)	n.r.			
1508.2	Lighting columns (type) (number of arms) (Height)	r.			ng ang ang ang ang ang ang ang ang ang a
	1509 Traffic Sign Illumination				
1509.1	Overhead sign lighting (gantry or cantilever ref no)	'n			
1509.2	Roadside sign lighting (sign ref no)	ני			
	1510 Recessed Lighting				
1510.1	Recessed lighting (type)	ח.ד.			- Papinal Angeloniana and
		15.3	Car	Carried to summary	

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	CONSTRUCTION OF FLYOVER AT	YOVER A			
	BILL 0F QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	ries Stallat	ION		
Item No	Description	Unit	Estimated	Unit Rate	Amount RO Rz
	1511 Traffic Signals				
1511.1	Traffic signal installation (location)	mns dmnl			
	1512 Barthing	•			
1512.1	Twin rod earthing installation (location)	ت. ب.			
1512.2	Single rod earthing installation (location)	n.r.			
		;			
		15-4	Ca	Carried to summary	

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	CONSTRUCTION OF FLYOVER AT	OVER A	ľ		
	BILL OF QUANTITIES BILL 17 - UTULITIES	'IES IES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
		-	Quantity	R.O. Bz	R.O. Bz
	1700 UTILITIES				
	1701 Utilities				
1701.1	Remove carefully and relocate low voltage electric poles, telephone poles, including removal of lines, excavation, backfilling amd other related works as directed by the Engineer	prov sum			50000,000
1701.1.1	Protect of existing utilities crossing the roadway as shown in Drawing, or as directed by the Engineer	lin.m.			
	-				
			•		
		17-1	Car	Carried to summary	50000.000

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	CONSTRUCTION OF FLYOVER AT SAHAM	OVER A	<u> </u>		
	BILL OF QUANTITIES BILL 17 - UTULITIES	TES IES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
1			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				eginte en
	Page 17-1	Prov Sum			50000.000
					and the second
					enerous e equipe
					Programa (Province)
					emmetvičeli Avili (Avili (Avil
					Andrews - manuscus and
		•	-		
		17-2	To (To Grand Summary	5000.000
					34

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!	CONSTRUCTION OF FLYOVER AT	YOVER A	E		
	SAHAM BILL OF QUANTITIES	TIES			gagina saturani da kang tupuda
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	A. WAGES				nggan gili gal
garbanda kalanga kalan	These include proper wages, all used allowance, medical expense and all other charges provided for by local laws				ndag ita ginta genera agunda a thanag n
A.1	Supervisor	hour	100	4.000	400.000
A.2	Site Surveyor	hour	1000	3,500	3500,000
A &	Foreman	hour	480	3.200	1536.000
A.4	1st Class Operator	hour	480	1,100	528.000
A.	2nd Class Operator	hour	100	0.950	95.000
A.6	Mechanic	hour	190	1.000	190.000
A	Driver	hour	480	1.000	480.000
A.S	Skilled Labour	hour	1000	0.650	650.000
A.9	Semi Skilled Labour	hour	1000	0.600	600.000
		19-1	Ca	Carried to Summary	7979,000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£4		
	SAHAM BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			
Item No	Description	Unit	Estimated	벌	
A.10	Ordinary Labour	hour	1000	A.C. DZ 0.550	550.000
A.11	Mason	hour	200	0.650	130.000
A 12	Painter	hour	100	0.750	75.000
A.13	Carpenter	hour	200	0.650	130.000
A.14	Steel Fitter	hour	100	0.650	65.000
A.15	Electrician	hour	20	0.850	17.000

		19.2	Car	Carried to Summary	967.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	H		
and the state of t	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	B. OPERATING EQUIPMENT ON SITE				
	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.	tî (,			
B.1	Motorgrader from 100 hp up to 120 hp	hour	ın	9.500	47.500
B.2	Motorgrader from 120 hp up to 150 hp	hour	H	11.500	126.500
8.	Tractor from 60 to 100 hp	hour	ເວ	4.000	20.000
B.4	Bulldozer with ripper from 100 hp to 150 hp	hour	ນາ	7.000	35.000
හ. ව.	Bulldozer with ripper from 150 hp to 200 hp	hour	l~	8.000	26.000
B.6	Bulldozer with ripper from 200 hp to250 hp	hour	ဖ	18.000	108,000
Ď.	Bulldozer with ripper from 250 hp to 300 hp	hour	4	19.500	78.000
B.8	Wheel tractor up to 50 hp	hour	10	4.000	40.000
		19-3	Саз	Carried to Summary	511.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£4		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries Rks			
Item No	Description	Unit	Estimated	Unit Rate	Amount RO Br
B.9	Wheel tractor over 50 hp	hour	10	1~	O.
Б. 10	Motor scraper capacity up to 18 cu.m.	hour	10	19.000	190.000
B.11	Motor scraper capacity from 18 to 24 cu.m.	hour	01	19.000	190,000
B.12	Sheeps foot roller, from 5 tonnes to 10 tonnnes	hour	10	2.000	50,000
B.13	Grid roller	hour	4	٦.000	28,000
B.14	Vibratory compactor with prime mover up to 5 tonnes	hour	ψ.	2.000	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	4	7.000	28.000
B.17	Pneumatic self-propelled rollers from 15 to 20 tonnes	hour	œ	4.500	36.000
B.18	Tandem roller up to 8 tonnes	hour	24	4.500	108.000
B. 19	Tandem roller from 8 to 12 tonnes	hour	ഗ	2.000	40.000
		19-4	Oa)	Carried to Summary	788,000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TIES RKS			
Item No	Description	Unit	Estimated	lğl	₩
B.20	Triaxle roller from 10 to 15 tonnes	hour	Quantity 24	F.C. 52	120.000
B.21	Light frog- rammer 0.1 tonne	hour	20	0.500	10.000
B.22	Heavy frog-rammer 0.5 tonne	hour	20	00.700	14.000
B.23	Wheel loder 1.2 to 1.6 cu.m.	hour	50	9.500	190.000
5.24 4.24	Wheel loder 1.6 to 2.0 cu.m.	hour	50	10.000	200.000
80 20 20 20	Wheel loder 2.0 to 2.5 cu.m.	hour	20	11.000	220.000
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	15	7.500	112.500
B.28	Bituminous mixing plant with batching apparatus up to 80 t/h.	hour	រភ	18.000	90.000
B.29	Bituminous mixing plant with batching apparatus from 80 to 150 t/h.	hour	ဌာ	23.000	115.000
B.30	Finisher up to 80 t/h.	hour	10	000'6	90.000
		19-5	Ca	Carried to Summary	1244.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		S. L.
dan managan da sa	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries rks			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
B.31	Finisher from 80 t/h to 120 t/h.	hour	10	10.000	100.000
B.32	Bitumen sprayer up to 6 tonnes	hour	10	5.000	20.000
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
ф 83	Dump truck from 10 to 15 tonnes	hour	20	6.000	120.000
B.36	Screening plant from 80 to 100 t/h.	hour	10	16.000	80.000
B.37	Crushing plant from 40 to 60 t/h.	hour	ស	20.000	100.000
B.38	Crushing plant with primary and secondary from 60 to 100 th.	hour	າວ	30.000	150.000
B.39	Air compressor up to 6000 l/m.	hour	ស្ត	1.500	22.500
B.40	Air compressor over 6000 Vm.	hour	15	2.000	30.000
B.41	Mechanical broom	hour	l~	4.000	28.000
		19-6	Car	Carried to Summary	849.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	F		
-	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	118	o	\sim i
B.43	Steel cutting machine	hour	13	0.800	4,000
B.44	Steel bending machine	hour	ည	1.200	6.000
Ē.45	Belt conveyor	hour	ນວ	7.000	35.000
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	27	4,000	48.000
B.48	Automatic concrete batch plant without mixing drum	hour	വ	7.500	37,500
B.49	Transmixer up to 5 cu.m.	hour	10	6.500	65,000
B.50	Concrete vibrators	hour	99	0.150	8.850
B.51	Crane up to 5 tonnes.	hour	Ø	4.500	40.500
B.52	Crane with broom and jib 5 to 10 tonnes	hour	t~	8.000	56.000
		19.7	Ca	Carried to Summary	403.450

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			
Item No	Description	Unit	Estimated Quantity	Unit Rate	Amount R O Bz
B.53	Crane with boom and jib over 10 tonnes	hour		ų.	t~
B.54	Generator 60 kw	hour	ເລ	1.500	7.500
13 .03	Generator 75 kw	hour	10	1.800	9.000
3.56	Drilling equipment	hour	ಬ	0.200	1.000
B.57	Generator 100 kw	hour	r.c.	3.000	15,000
B.58	Generator 150 kw	hour	മ	4.000	20.000
B.59	Generator 200 kw	hour	ເວ	5.000	25,000
B.60	Gravel strewer	hour	າວ	10.000	20,000
- Bossessand					
		19-8	Car	Carried to Summary	204,500

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	CONSTRUCTION OF FLYOVER AT	OVER A	£.		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	C. MATERIALS				
·	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.	ca.m.	20	1.000	20.000
O Si	Aggregate for granular aggregate base course in accordance with the Gener Special Specifications, in place as specified.	cu.m.	255	2.000	00000
(n)	Aggregate for bituminous base course in accordance with the General and Special Specifications, near the asphalt plant, in bulk	cu.m.	50	2.000	000000000000000000000000000000000000000
Q 4.	Fine aggregate for concrete, in accordance with the General and Special Specifications, in place, in bulk	cn'm.	25	् 000 0	000000
is Ci	Coarse aggregates for concrete, in accordance with the General and Special specifications, in place, in bulk	cn.m.	00 00 00 00 00 00 00 00 00 00 00 00 00	1.200	60.000
		19-9	Ca	Carried to Summary	310,000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£		
	SAHAM		ı		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
Ö.	Stone for drainage, masonry and slope protection, in accordance with the Genoral and Special Specifications in place	cm.m.	25	2.500	62.500
C.S	Asphalt cement, grade 60-70 on site	ton	; prd	44.000	44.000
စွ	Asphalt cement, grade 50-60 on site	ton	=	48.000	48,000
တိ	Emulsified asphalt, grade RS-1 on site	noŋ	п	70.000	70.000
C.10	Cutback asphalt, MC and RC type on site	ton		75.000	75.000
11.	Portland cement on site	ton	н	25.000	25.000
C.13	Deformed billet steel bars, AASHTO M 31 grade 60 (High Yield) of any diameter	ton		135.000	135,000
C. 13	Deformed billet steel bars AASHTO M 31 grade 40 (Mild) of any diameter	ton	ы	135.000	135.000
C.14	Highway signs	sq.m.	တ	32.000	96.000
C.15	Highway sign supports - 1 post	nr.	4	15.000	60.000
		19-10	Car	Carried to Summary	750.500

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£-4		
-puttingendony thinks Facility (c. manager	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
C.16	Highway sign supports - 2 post	nr.	63	20.000	Ö
i, C	Timber plank, on site	cu.m.	23	105.000	210.000
0.18	Timber props, on site	cu.m.	63	105.000	210.000
C. 19	Wire mesh gabgions, on site	ton	10°	320,000	160,000
C.20	Explosive, on site	, y 13	က	20.000	100.000
C 21	Gas oil, on site	litre	100	0.080	8.000
C.22	Gasoline, on site	litre	200	0.120	60.000
C.23	Lubricant	ξį.	ည	0.300	1.500
n g dagan mang gadan t					
		19-11	Car	Carried to Summary	789.500

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	SNOO	CONSTRUCTION OF FLYOVER AT	YOVER A	F		
ALCONO.		SAHAM				
		BILL 19 - DAYWORKS	TIES RKS			
Item No	Description		Unit	Estimated	딅	뭐
	SUMMARY			Quantity	R.O. Bz	R.O. Bz
	Page 19-1					7979.000
Div.	Page 19-2					967.000
	Fage 19-3 Page 19-4				•	511.000
	Page 19-5					1244.000
	Page 19-6		-			849.000
	Page 19-7					403.450
	Page 19-8					204.500
	Page 19-9					310.000
- Contract	Page 19-10					750.500
	Page 19-11					789,500
			:			
			19-12	To	To Grand Summary	14795,950

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BILL OF QUANTITIES

GRAND SUMMARY

		Amount
Bill No	Description	R.O.
1	Preliminaries	370650,000
2	Earthworks	144160.100
3	Granular and stabilized subbase, basecourse and stabilized subgrade	51823.500
4	Bituminous Pavement	302825,500
5	Concrete and concrete structure	1402499.000
6	Structural steel and other metal work	97335.000
7	Paint	N/A
8	Drainage and service ducts	42274.000
9	Slope protection and stabilization	4208.000
10	Piling	247740.000
11	Bridge bearing, expansion joints, joint seals and fillers	88120.000
12	Sidewalks, paved areas and kerbs	48732,000
13	Safety barriers, delineators and fences	48024.000
14	Highway signs and road marking	46401.770
15	Electrical installations	50000.000
16	Landscape and irrigation	N/A
17	Utilities	50000.000
18	Plant and Equipment	300000.000
19	Dayworks	14795.950
	Sub-total	3309588.820
	Contingencies (10%)	330958.882
	TOTAL CONTRACT VALUE (R.O)	3640547.702

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

DATE

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