



SULTANATE OF OMAN

MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF ROADS



CONSTRUCTION OF FLYOVER AT AQR BATINAH HIGHWAY

TENDER DOCUMENTS

BILL OF QUANTITIES



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97-015

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	CONSTRUCTION OF FLYOVER AT	OVER A	F-4		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	IES RIES			
Item No	Description	Unit	Estimated	Unit Rate	Amount PO R
			eduantity	M.O. D&	
U.	SECTION 100 PRELIMINARIES				
	101 Bonds and Insurance				
101.1	Performance Bond (Clause 10 of Standard Conditions of Contract)	mns dmnl			
101.2	Insurance of the Works (Clause 21 of Standard Conditions of Contract)	mns dmnl			
101.3	Damage to Persons and Property (Clause 22 of Standard Condition of Contract)	mns dunl			
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)	mns dunl			
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		1-1	ပိ	Carried to summary	44250.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E		
	AQR BILL OF QUANTITIES BILL 1 - PRELIMINARIES	ries Aries			
Item No	Description	Unit	Estimated	HŽ.	Amount
	104 Facilities for the Engineer		Suanary). 1.2.	7.c.
104.1	Provision of Engineer's office (Type A, 1 unit x 24)	month	24	250,000	6000.000
104.2	Maintenance of Engineer's office (Type A, 1 unit x 24)	month	24	150.000	3600.000
104.3	Provision of surveying instruments	month	55	300.000	6600.000
104,4	Maintenance of surveying instruments	month	22	150.000	3300.000
104.5	Provision of Engineer's accommodation				
	(i) Resident Engineer's accommodation (Type B. 2 unit)	month	46	250.000	11500.000
	(ii) Engineer's accommodation (Type C, 4 units)	month	06	150.000	13500.000
	(iv) Dining/Kitchen (Type D, 1 unit x 22)	month	83	250.000	5500.000
		1.2	Ca	Carried to summary	2000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	TIES ARIES			
Item No	Description	Unit	Estimated	ਦੂ	범
104.6	Maintenance of Engineer's accommodation		Quantity	R.O. bz	K.O. BZ
	(i) Resident Engineer's accommodation (Type B. 2 unit)	month	46	150.000	6900,000
	(ii) Engineer's accommodation (Type C, 4 unit)	month	06	250,000	22500,000
					e de la companya de l
-	(iv) Dining/Kitchen (Type D, 1 unit x 22)	month	22	250.000	5500,000
104.7	Provision of laboratory	month	22	400.000	8800.000
104.8	Maintenance of laboratory	month	22	150.000	3300.000
104.10	In situ soil bearing capacity tests	r.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	55400.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£		
	AQR BILL OF QUANTITIES BILL 1 - PRELIMINARIES	nes Aries			
Item No	Description	Unit	Estimated	Unit Rate	냁
			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		
Para di Papa yang ang Amang an	106 Contractor's Compound				
106.1	Mobilization and demobilization of Contractor's facility	lump sum			100000.000
106.2	Maintenance of Contractor's facility	month	22	5,000.000	110000.000
	107 Maintenance and Protection of Traffic				
107.1	Maintenance and protection of traffic	lump sum			100000.000
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.			
107.3	Extra over item 107.1 for supply and compaction of bituminous basecourse on diversions where ordered by the Engineer (3 cm. thick)	ca. m.			a San Marian a Commission a commi
TO SEIM FRONT					and Page 20 and Pa
		1-4	Ca	Carried to summary	310000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E		
	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	22	30.000	660.000
	109 Sign Boards				
109.1	Provision, erection, moving and maintenance of signboard (Wooden Type)	ນ: ພ	87	300.000	000.000
	110 Commemoration Plaque and Opening Ceremony				
110.1	Supply and erection of commemoration plaque (Optional)	.r. r.	H	Option	
110.2	Opening coremony (Optional)	lump sum			
		1-5	Ca	Carried to summary	1260.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A'	Ţ		
·	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	otes Aries			
Item No	Description	Unit	Estimated	Unit Rate	Amount
12.30			Quantity	R.O. Bz	R.O. Bz
	115 Compliance with the Tender Documents				
13.15.1	Allow for all costs and expense for complying with all the conditions and				
	requirements stipulated in the Lender 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				
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	Clause No	lums duni			
-	Clause No	lump sum			
	Clause No	mns duni			
A-16 × 5-10.	Clause No	lumb sum			
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	Clause No	lumb sum			
· · · · · · · · · · · · · · · · · · ·	Clause No	lump sum			
	Clause No	mns dunl	•		
-					
		1-6	Ca	Carried to summary	

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	CONSTRUCTION OF FLYOVER AT	YOVER A			
	BILL OF QUANTITIES BILL 1 - PRELIMINARIES	TES ARIES			
Item No	Description	Unit	Estimated	Unit Rate	Amount FO E
	SUMMARY		& dan uny		
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	Page 1-2				20000'000
	Page 1-3				55400.000
	Page 1-4				310000.000
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	Page 1-6				0.000
		1-7	ToG	To Ground Summary	460910.000

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·	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
ndgaran, ind gara- gi ik gar ah da dakka di Tur u ra	BILL OF QUANTITIES BILL 2 - EARTHWORKS	CIES ORKS			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	200 EARTHWORKS				
idenida in Charles	201 Clearing and Grubbing				r ad Sa lengian ang
201.1	Removal and delivery of trees of 300mm trunk diameter or greater	r.r.	61	15.000	915.000
	202 Removal of Structures and Obstructions				
202.1	Removal of existing building (Shop, etc)	'a'u		200.000	200.000
202.2	Removal of misc. reinforced concrete structures	cu. m.	ဗ	5.000	175,000
202.3	Removal of pipc culvert (D=0.6,0.75,0.9)	lin.m.	V/Z		
202.4	Removal of asphaltic concrete pavement (100 mm thick)	cu. m.	4680	2.000	9360.000
202.5	Removal of damaged steel safety barrier (Gurdrails)	lin.m.	1058	1.800	1904.400
e. 200 60					
		2-1	Ca	Carried to summary	12554.400

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	CONSTRUCTION OF FLYOVER AT	YOVER A	€-1		
ka camadan ni a kaba	BILL OF QUANTITIES BILL 2 - EARTHWORKS	ries drks			
Item No	Description	Unit	Estimated	۲Ž	12
202.6	Remove carefully and relocate sign boards and road signs (size)	n.r.	Quanty 45	3.500 3.500	R.O. 52 157.500
202.7	Removal of damaged Irish crossing marker posts	n.r.	N/A		
202.8	Removal of damaged drainage protection works (gabions, conc. tiles, mortared riprap, dry rip rap)	cu. m.	N/A		
202.9	Removal of existing fences (wire mesh, chicken wire)	lin.m,	V/N		
202,10	Removal of existing fences (block or masonry wall)	lin.m.	N/A		
202.11	Removal of existing box culvert (2 x 1 m)	lin.m.	96	5.000	480.000
202.12	Removal of existing interlocking tiles	sq. m	V/X		
202.13	Removal of existing crush stone	lin.m.	N/A		
202.14	Removal of existing plain concrete	ca. m.	9	2.000	12.000
202.15	Removal of Curb Stone	E	N/A		
		2.2	Car	Carried to summary	649.500

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	CONSTRUCTION OF FLYOVER AT	OVER A	<u></u>		
sik wasuniphaphiy (Babbany)	BILL OF QUANTITIES BILL 2 - EARTHWORKS	TES RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount RO Ro
	203 Barthworks Excavation		(American &	1	
203.1	Suitable excavation to embankment	cu. m.	14344	0.600	8606.400
203.2	Suitable excavation to waste	cu. m.	3571	0.300	1071.300
203.3	Unsuitable excavation to waste	cu. m.	۷ Ż		Backmarks ber und ber der en Back
203.4	Borrow excavation to embankment	ca, m.	175546	1.500	263319.000
203. 5.03	Extra over itcm 203.1,2, 3 for excavation under water	ca. m.	N/A		Wing a St.
	206 Excavation and Backfilling for Structures				
206.1	Structure excavation in soils to a depth of 2m	cu, m.	2517	1.000	2517.000
206.2	Structure excavation in soils to a depth more than 2m	cu. m.	e/Z	1.700	dangs mendentiet d
					C March 2011, recycle (2025)
		2.3	Ca	Carried to summary	275513.700

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	CONSTRUCTION OF FLYOVER AT	OVER A	E.		
	AQR BILL OF QUANTITIES BILL 2 - EARTHWORKS	ES RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
To the second second	Page 2-1				12554.400
No. of the last of	Page 2-2	· · · · · · · · · · · · · · · · · · ·			649.500
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		2-4	To	To Grand Summary	288717.600

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	CONSTRUCTION OF FLYOVER AT	OVER A	T		and the second s
Section Company of the Company of th	ARA BILL OF QUANTITIES RILL 3 - GRANIILAR AND STABILIZED SUBBASE. BASE COURSE, STABILIZED SUBGRADE	TES SE COU	RSE, STABIL	IZED SUBGR.	ADE
Item No	Description	Unit	Estimated	Unit Rate	ount
			Quantity	R.O. Bz	R.O. Bz
	300 GRANULAR AND STABILIZED SUBBASE, BASECOURSE AND STABILIZED SUBGRADE				
	302 Granular Subbasc				
302.1	Granular subbase (class B) (150 mm thick)	cu, m.	N/A		
	303 Aggregate Basecourse				
303.1	Aggregate basecourse (class B) (300 mm thick)	cu. m.	Y/X		eroeponike direkti di Albin
303.2	Aggregate basecourse (class B) (250 mm thick)	cu. m.	N/A		- Marie Valence
303.3	Aggregate basecourse (class B) (200 mm thick)	ca. m.	8611	3,300	28416,300
303.4	Aggregate basecourse (class B) (150 mm thick)	cu. m.	1427	3.000	4281,000
		3-1	Ca	Carried to summary	32697,300

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	AQR	स अञ्च १ ० ४	-1		
ILI	BILL 3 - GRANULAR AND STABILIZED SUBBASE, BASE COURSE, STABILIZED SUBGRADE	TIES ASE COU	RSE, STABII	IZED SUBGR	ADE
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
SUM	SUMMARY				
Page 3-1	3-1				32697.300
		3-2	Car	Carried to summary	32697.300

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	CONSTRUCTION OF FLYOVER AT	OVER A	T		
ogo programa de la composição de la comp	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	TES AVEMEN	· £		
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				
Washing are dep				_	
401.1	Bituminous prime coat (MC 70)	X X	54010	0.250	13502.500
401.2	Bituminous tack coat (RC 250)	Х ц	11599	0.300	3479.700
Acid Junio					
	402 Bituminous Basecourse				nd galant gan
(() () () () () () () () () ()
402.1 402.2	Bituminous basecourse (class B) 50 mm.thick Bituminous basecourse (class B) 70 mm.thick	Cu. m.	479 2958	22.000	70992.000
402.3		cu.m.	614	28.000	17192.000
402.4	Increse or decrese in bituminous content from nominal rate	ង្ក	rate only	0.050	
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		4.1	Car	Carried to summary	115704.200

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	CONSTRUCTION OF FLYOVER AT	OVER A	F		
PACARON, AND	AQR BILL OF QUANTITIES	IES			
	BILL 4 - BITUMINOUS PAVEMENT	AVEMEN	Ţ		, a s comb
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	405 Bituminous Wearing Course				
405.1	Bituminous wearing course (class B) (50 mm thick)	cu. m.	4017	28.000	112476.000
405.2	Increase or decrease in bitumen content from nominal rate	ŭ, K,	rate only	0.050	
		4-2	Cax	Carried to summary	112476.000
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	CONSTRUCTION OF FLYOVER AT	OVER A	٠.		
	BILL OF QUANTITIES BILL 4 - BITUMINOUS PAVEMENT	IES AVEMEN	£4		
Item No	Description	Unit	Estimated	힏	岩
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
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	Page 4-1		•		112476.000
	Page 4-2				
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		4-3	Ca	Carried to summary	112476.000

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	CONSTRUCTION OF FLYOVER AT AQR PILL OF OLIVITIES	YOVER A	T.		
	BILL 5 - CONCRETE AND CONCRETE STRUCTURE	RETE ST	RUCTURE		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	500 CONCRETE AND CONCRETE STRUCTURE				
	504 Concrete for Structure				
504.1	Concrete Class 16/20 (OPC cement) Blinding, Gravity Wall	cu. m.	2171	30.000	65130.000
504.2	Concrete Class A 24/20 for retaining wall, abutmont and piers (OPC coment)	cn.m	6806	35.000	318115.000
504.3	Concrete Class 32/20 for bridge deck. cross beam and joint	cu.m	N/A		
504.4	Cast-in-Situ Concretc Class 24/20 for bridge dock for cantilever	cu.m	N/A		
		5-1	Car	Carried to summary	383245,000

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	CONSTRUCTION OF FLYOVER AT	OVER A	L.		
	AQR BILL OF QUANTITIES	ES S	1		
Item No	BILL 5 - CONCRETE AND CONCRETE STRUCTURE Description Description	ETE ST Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	506 Prestressed Concrete for Bridge				
506.1	Cast in place, pre-stressed, bridge beam, reinforced concrete class AA40 including all reinforcement, tendons, tension cable strands, approved anchorage points. "Frowssingt" system or equal and approved, sheaths, de-watering pines.	ding			
	grouting in accordance with manufacturers recommendations, all complete and as detailed on tender drawings	*************************************			
	a) 3 span continuous P.S box girder 1 box 2 cells 90 m long	.: .:	œ	90,000.000	720000,000
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****		5-2	Car	Carried to summary	720000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A			
	BILL OF QUANTITIES BILL 5 - CONCRETE AND CONCRETE STRUCTURE	ries Rete sti	RUCTURE		
Item No	Description	Unit	Estimated Quantity	Unit Rate	Amount RO Bz
	509 Reinforcing Steel				
509.1	High yield steel bar reinforcement of any diameter	tone	741	285,000	211185.000
509.2	Mild steel bar reinforcement of any diameter	tone	N/A		
509.3	Mesh reinforcement of any size	tone	N/A		
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		5-3	Car	Carried to summary	211185.000

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	CONSTRUCTION OF FLYOVER AT	OVER A			
	AQR				
	BILL OF QUANTITIES BILL 5 - CONCRETE AND CONCRETE STRUCTURE	TES ETE STE	TOTURE		
Item No		Unit	Estimated	Unit Rate	Amount BO B
			Quantury	ı	
uruqaalkee kusuu Yeki	SUMMARY				
الكوادارات السوالة المالية الم	Page 5-1				383245.000
	Page 5-2				720000.000
	Page 5-3				211185.000
		5-4	S	Carried to summary	1314430,000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E		
	AQR				
the day opening	BILL OF QUANTITIES BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK	ries Other 1	METALWOR K	M	
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
o glannych sidd ob gan a gwys gwys y g	600 STRUCTURAL STEEL AND OTHER METALWORK				
	603 Bridge Parapets				
603.1	Bridge Handrails (Aluminum) (FI=500 mm)	lin.m.	1443	45.000	64935.000
		6-1	Car	Carried to summary	64935.000

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Item No	AOR				
Item No	BILL OF QUANTITIES BILL 6 - STRUCTURAL STEEL AND OTHER METALWORK	TES OTHER N	(etalwork		
	Description	Unit	Estimated	Unit Rat	밁
		-	Quantity	R.O. Bz	R.O. Bz
SUM	SUMMARY				
Page 6-1	6-1				64935.000
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		6.2	Car	Carried to summary	64935.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	£4		
	$z \circ$	TITIES SERVICE DUCTE	UCTE		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	800 DRAINAGE AND SERVICE DUCTS				
ing of the state of the	801 Pipe Culverts				
801.1	Reinforced concrete pipe culvert (600 mm. dia.)	lin.m	100	35.000	3500.000
801.2	Reinforced concrete pipe culvert (750 mm. dia.)	lin.m	ڻ.	45.000	403.000
:: =8=9aa					
and the second seco	802 Reinforced Concrete Box Culverts, Box Culverts and Pipe Culverts Headwalls, Wingwalls and Aprons (SRP cement)				
802.1	 Concrete (Class 28/20), Box Culverts, Box Culverts and Pipe Culverts Headwalls, Wingwalls, Wingwalls and Aprons (SRP Cement), all complete and as detailed on drawings	valls, Wingw ngs	alls,		
802.1.1	Box culvert 2 x 1 m 1 cell	lin.m	15	000009	900.000
802.1.2 802.1.3	Box culvert 2 x 1 m 2 cell Box culvert 2 x 1 m 3 cell	lin.m Lin.m	94 v	110.000	10340.000
802.1.4	Box culvert 4.5 x 5 m 2 cell	lin.m	85	1,400.000	49000.000
		8.1	Ca	Carried to summary	64895.000

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	CONSTRUCTION OF FLYOVER AT	OVER A'	1		
	AQR BILL OF QUANTITIES BILL 8 - DRAINAGE AND SERVICE DUCTE	ES VICE D	JOTE		
Trem No		Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	804 Catch Basins, Catch Pits, Manholes, Curb Inlets, Ditch Inlets and Outlets				:
	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	ដ	4	180.000	720.000
kgjegggate mennesservat mannet sasses SS-em	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			<u>.</u>	
804.2	Gullies 300 x 300 mm	lin m	613	25.000	15325,000
		8.2	Co	Carried to summary	16045.000

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	$\mathbf{z} \wedge$	TITIES SERVICE DUCTE	UCTE		
Item No	Description	Unit	Estimated	I ∯I	뉨
	7 7 7 7 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Quantity	R.O. Bz	R.O. Bz
	805 Water proofing for structure				
805.1	Waterproofing membrane	sq.m.	N/A		
805.2	Mastic asphalt waterproofing	sq.m.	N/A		
805.3	Bituminous paint	sq.m.	3000	0.350	1050.000
.18 A 12 / 12					
	807 Service Ducts	1747-0-0-1			
807.1	Service duct (A.C. 150 mm dia1 way with concrete surround), including duct markers	lin.m.	N/A		
807.1.1	Service duct (A.C. 150 mm dia2 way with concrete surround), including duct markers	lin.m,	172	4.000	688.000
807.2	Extra over for excavation in rock for service ducte	ca.m.	N/A		Charles Carles Charles and a series and a series and a
		8-3	Car	Carried to summary	1738,000

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	CONSTRUCTION OF FLYOVER AT	OVER A'	E 4		
	BILL OF QUANTITIES BILL 8 - DRAINAGE AND SERVICE DUCTE	IES VICE D'	UCTE		And the second second
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
	Page 8-1				64895.000
	Раде 8-2				16045.000
	Page 8-3				1738.000
					
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		%	Ŝ	Carried to summary	000,01020

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
On School of Angelia, about	BILL OF QUANTITIES BILL 9 - SLOPE PROTECTION AND STABILISATION	ries Id Stabi	LISATION		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	900 SLOPE PLOTECTION AND STABILISATION				
- -	901 Riprap		•		
901.2	Mortared stone riprap (Class A), in Irish Crossing	cu.m.	N/A	-	
901.2.1	Mortared stone riprap (Class A), other than Irish Crossing	cu.m.	262	16.000	4192.000
		9.1	Car	Carried to summary	4192,000

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		뮕	R.O. B		4192.000						4192.000
		ΙĕΙ	R.O. Bz								Carried to summary
LT	ILISATION	Estimated	Quantity								ő
YOVER A	TIES VD STAB	Unit									9-2
CONSTRUCTION OF FLYOVER AT	AQR BILL OF QUANTITIES BILL 9 - SLOPE PROTECTION AND STABILISATION			SUMMARY	Page 9-1						
		Item No		en de la composition			en de montación de la company de la comp		······································	Management of Child	

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*******	CONSTRUCTION OF FLYOVER AT	OVER A	I		
Market and property of	BILL 11 - BRIDGE BEARIBGS, EXPANSION JOINT, JOINTS SEAL AND FILLERS	IES NT, JOIN	ITS SEAL AN	ND FILLERS	
Item No	Description	Unit	Estimated	滋	t
	1100 BRIDGE BEARINGS, EXPANSION JOINT, JOINTS		Quantity	7.4 	P.O. DZ
	SEALS AND FILLERS				
	1101 Bridge Bearings				
1101.1	Synthetic Rubber Shoe 660 x 760 x 135 mm including anchor bar. cap, filler reinforcing bar, spiral bar and shrinkage mortar	n.r.	96	95.000	9120.000
	1102 Bridge Expansion Joints				
1102.1	Bridge expansion joint Movement Range W=100 mm	E	**	280.000	9520.000
1102.1.1	Bridge expansion joint Movement Range W=200 mm	£	20	380.000	19000.000

		11-1	To	To Grand Summary	37640.000

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		N		2			8	ì
		Amount R.O. Bz		37640.000			37640.000	
	ND FILLERS	Unit Rate R.O. Bz					To Grand Summary	
E	NTS SEAL A	Estimated Quantity					 F-4	
YOVER A	TIES INT, JOIN	Unit				 	11-2	•
CONSTRUCTION OF FLYOVER AT AQR	BILL 11 - BRIDGE BEARIBGS, EXPANSION JOINT, JOINTS SEAL AND FILLERS	Description	SUMMARY	Page 11-1				
		Item No				 gandaga yan 1 da sanasan da sanasan		-

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N-Pari-Paranco	CONSTRUCTION OF FLYOVER AT	OVER A	H		
	BILL 12 - SIDEWALKS, PAVED AREAS AND CURBS	IES REAS AN	ID. CURBS		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1200 SIDE WALKS, PAVED AREAS AND CURBS				
	1201 Sidowalks				
1201.1	Interlocking Block Pavement including granular Basecourse 150 mm thick	æ.g.	972	4.000	388.000
CON ST. Nationary	1202 Curbs		, , , , , , , , , , , , , , , , , , , 		
	All curbs are hydraulically pressed sulphate resisting concrete class A (45/20) geded jointed and pointed in 10 mm thick sand cement grout.	arx			
1202.1.1	Curb 100 x 200 (mountable) Curb 150 x 350 (mountable)	lin.m Lin.m	445 80	3.500	1557.500
1202.1.3	Curb 150 x 350 (none mountable)	lin.m	1722	4.000	6888.000
		12-1	Car	Carried to summary	12733,500

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	CONSTRUCTION OF FLYOVER AT	OVER AT			
	AQR				
-	BILL OF QUANTITIES BILL 12 - SIDEWALKS, PAVED AREAS AND CURBS	IES REAS AN	D CURBS		
Item No		Unit	Estimated	벌	Amount
			Quantity	R.O. bz	P.O. DZ
	SUMMARY				
7123-22 0.08 28-0	Page 12-1				12733.500
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		- 1			
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		12-2	Ö	Carried to summary	12733.500
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	CONSTRUCTION OF FLYOVER AT	YOVER A	E-		
	BILL OF QUANTITIES BILL 13 - SAFETY BARRIERS, DELINEATORS AND FENCES	TIES NEATORS	AND FENCE	Si	
Item No	Description	Unit	Estimated	ŭ	٦ţ
			Quantity	R.O. Bz	R.O. Bz
	1300 SAFETY BARRIERS, DELINEATORS AND FENCE				
	1301 Corrugated Steel Beam Safety Barrier				
					
1301.1.1	Safety barrier beam (Type-A) including posts and end anchor	lin.m.	3562	12.000	42744.000
1301.1.2	Safety barrier beam (Type-C) including posts and end anchor	lin.m	4572	13.000	59436.000
			-		
	1302 Reflectorised Markers for Safety Barriers				
1303.1	Reflectorised markers attached to guardrail	ت. تر	535	8.000	4280.000
			•		
1303.2	Reflectorised markers attached to concrete	n.r.	∀ /X		
		13-1	Car	Carried to summary	106460.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	.		
	BILL OF QUANTITIES BILL 13 - SAFETY BARRIERS, DELINEATORS AND FENCES	ES SATORS	AND FENCE	Si	
Item No	Description	Unit	Estimated	Unit Rate	뭐
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY			-	
·	Page 13.1				106460.000
			-		
الذبن التق سننج					
o de la constanta de la consta					
- h: Wykoński					
OKAT-IV-I					
gêş salazi wê			-		
			_		
<u>Contractor and an annual and an </u>		13.2	Car	Carried to summary	106460.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
	BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	ries droad d	IARKING		
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
a social	1400 HIGHWAY SIGNS AND ROAD MARKING			-	
	1401 Highway Signs				
1401.1	Highway sign, triangular, size (900 mm)	ካ.ሮ	10	40.000	400.000
1401.2	Highway sign, circular, diameter (900 mm)	,,'u	10	\$0.000	200.000
1401.3.1	Highway sign, rectangular, (600 x 2400 mm)	n,r.	4	280.000	1120.000
1401.3.2	Highway sign, rectangular, (750 x 1400 mm)	n.r.	11	200.000	2200.000
1401.6.1	Overhead sign post and support assembring cantilever	n'u	٧	2,000.000	800.000
1401.6.2	Overhead sign post and support assembring gantry	n.r	27	10,000.000	2000.000
		14-1	Ca	Carried to summary	32220.000

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	CONSTRUCTION OF FLYOVER AT	OVER A			
	BILL OF QUANTITIES BILL 14 - HIGHWAY SIGNS AND ROAD MARKING	IES ROAD M	ARKING		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1402 Road Markings				
1402.1	Traffic lines (Mechanically sprayed)	æ.ps	2432	1.500	3648.000
1402.2	Special markings (Hand sprayed)	sq. m	481	2,000	2405.000
1402.3	Curb painting (Black and yellow)	sg. m	252	1.600	883.200
1402.4	Reflecting road studs type rod	n.r.	1060	4.500	4770,000
					and the second section of the section of t
		14.2	ပိ	Carried to summary	11706.200

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	CONSTRUCTION OF FLYOVER AT	OVER A'	£ı		
	AQR				
	BILL OF QUANTITIES	TES	C 184 14 4 7		
		ROAD IN	CARRING	4	
Item No		Cnit	Estimated	Unit Rate	Amount BOB
			&uanuy	P.C. D&	1
	SUMMARY				·
					39990 000
	1256 14-1				
	Page 14-2				11706.200
			-		
		14-3	To	To Grand Summary	43926.200

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	CONSTRUCTION OF FLYOVER AT	YOVER A	با		
	AQR BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	NES STALLAT	ION		
Item No	Description	Unit	Estimated	l ŭ	뉡
			Quantity	R.O. Bz	R.O. Bz
المارية والمارية والم	1500 ELECTRICAL INSTALLATION				
	1502 Medium Voltage Switching Stations	brov sum			2000.000
1502.1	Medium Voltage Switching Stations	n.r.			
	1503 Package Sub-stations				
1503.1	Package sub-station	n.r.			
- Alexandra out	1504 Package Medium Voltage Switching Stations				
1504.1	Packing medium voltage switching station	n.r.			
		15-1	Ca	Carried to summary	2000.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	C-4		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES TALLAT	ON		
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	1505 33kV and 11kV Polc Mounted Transformer Stations				
1505.1	33kV pole mounted transformer station	я́ ц			
1505.2	11kV pole mounted transformer station	n.r.		_	
	1506 Feeder Pillars				
1506.1	Feeder pillar	n.r.			
	1507 Cables				
1507.1	Cable (type) (size)	lin.m.			AND THE PROPERTY OF THE PROPER
		15-2	Cai	Carried to summary	
		i.			

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	CONSTRUCTION OF FLYOVER AT	OVER A'	Į.		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES TALLAT	ION		
Item No	Description	Unit	Estimated	l ¥	몵
),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Quantity	R.O. Bz	R.O. Bz
	1508 Road Lighting Masts and Column				
1508.1	High mast assembly (type) (height)	j. u			
1508.2	Lighting columns (type) (number of arms) (Height)	n.r.			
Market State of the Control	1509 Traffic Sign Illumination				
1505 1509 14	Overhead sign lighting (gantry or cantilever ref no)	n.r.			
1509.2	Roadside sign lighting (sign ref no)	n.r.			
	1510 Recessed Lighting	-, -			
1510.1	Recessed lighting (type)	n'u			
·		15-3	Ca	Carried to summary	

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: :	CONSTRUCTION OF FLYOVER AT	YOVER A	r		
	AGK BILL 15 - ELECTRICAL INSTALLATION	TES STALLAT	NOI		
Item No	Description	Unit	Estimated	i ži	ᅵ႘ㅣ
	1511 Traffic Signals		Quantity	K.O. Bz	K.O. Bz
1511.1	Traffic signal installation (location)	mns dwn			
	1512 Barthing			-	
1512.1	Twin rod earthing installation (location)	n.r.			
1512.2	Single rod earthing installation (location)	я́. u			
·					
٠		15-4	Car	Carried to summary	

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	CONSTRUCTION OF FLYOVER AT AQR	YOVER AT	د.		
	BILL OF QUANTITIES BILL 15 - ELECTRICAL INSTALLATION	TES STALLAT	ION		
Item No	Description	Unit	Estimated	퍞	#
			Quantity	R.O. Bz	R.O. Bz
	SUMMARY				
	Page 15-1				
	Page 15-2				
	Page 15-3				
	Page 15-4				
	Provisional Sum	Prov Sum			50000.000
,		·			
		15-5	Ţ	To Grand Summary	50000.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	T		
	AQR BILL OF QUANTITIES BILL 17 - UTULITIES	tes ies			
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	1700 UTILITIES			1	
	1701 Utilities	prov sum		· · · · · · · · · · · · · · · · · · ·	20000.000
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	n.r.			
	Protect of existing utilities crossing the roadway as shown in Drawing, or as directed by the Engineer	lin.m.			a eta eta eta eta eta eta eta eta eta et
					com a lateral - Andrew in Andrews (1986)
manus postante proporto de la composição d					
		17-1	Car	Carried to summary	50000,000

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	CONSTRUCTION OF FLYOVER AT	OVER AT			
ağını, naprosifil filmliğili dir. Jepa	BILL OF QUANTITIES BILL 17 - UTULITIES	IES ES			
Item No	Description	it 	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
	SUMMARY				
20120120110F-75-4	Page 17-1	Prov Sum			2000.000
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Sample of the Principle					
nemer permit Pleptunger					
an maddigwygaege gy					
		17-2	To	To Grand Summary	50000.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	AQR				,4: <i>y = 'e</i>
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TIES RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
	A. WAGES				
	These include proper wages, all used allowance, medical expense and all other charges provided for by local laws				так такара диодия байда такара
A.1	Supervisor	hour	100	4.000	700.000
A.2	Site Surveyor	hour	1000	3.500	3500.000
A.3	Foreman	hour	480	3.200	1536.000
A.4	1st Class Operator	hour	480	1.100	528.000
A.5	2nd Class Operator	hour	100	0.950	95.000
A.6	Mechanic	hour	190	1.000	190.000
A.7	Driver	hour	480	1.000	480.000
A.8	Skilled Labour	hour	1000	0.650	650.000
A.9	Semi Skilled Labour	hour	1000	0.600	600.000
-		19-1	Car	Carried to Summary	7979.000

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	CONSTRUCTION OF FLYOVER AT	OVER A	Ţ		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES	·		
Item No	Description	Unit	Estimated	Unit Rate	Amount R.O. Bz
A.10	Ordinary Labour	hour	1000	C .	റ
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
rays agend was supply agency with reposition control 350 A Sale					weeds accession of the Art of Case Art 24 Art open at the finding at the contract of the contr
made sign a sign of the sign o					t enter a service de la comme
		19.2	Ca	Carried to Summary	967.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
NAMES OF STREET	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries Rks			
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.	o st			
B.1	Motorgrader from 100 hp up to 120 hp	hour	w	9.500	47.500
2.2	Motorgrader from 120 hp up to 150 hp	hour	. 11	11.500	126.500
ත ත	Tractor from 60 to 100 hp	hour	Ð	4.000	20.000
B.4	Bulldozer with ripper from 100 hp to 150 hp	hour	າລ	7.000	35.000
ы	Bulldozer with ripper from 150 hp to 200 hp	hour	t~	8.000	56.000
ထ <u>်</u>	Bulldozer with ripper from 200 hp to250 hp	hour	9	18.000	108.000
Ć.	Bulldozer with ripper from 250 hp to 300 hp	hour	4	19.500	78.000
B.S	Wheel tractor up to 50 hp	hour	10	4,000	40,000
		19.3	Car	Carried to Summary	511.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	OF G	ries			
	BILL 19 - DAYWORKS	RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
و فاس و ادا			Quantity	R.O. Bz	R.O. Bz
B.9	Wheel tractor over 50 hp	hour	01	7.000	70.000
B.10	Motor scraper capacity up to 18 cu.m.	hour	10	19.000	190.000
ă II	Motor scraper capacity from 18 to 24 cu.m.	hour	10	19.000	190.000
B.12	Sheeps foot roller, from 5 tonnes to 10 tonnnes	hour	10	5,000	20.000
B.13	Grid roller	hour	*	7.000	28.000
B.14	Vibratory compactor with prime mover up to 5 tonnes	hour	ونت	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	۳	٦.000	28.000
B.17	Pneumatic self-propelled rollers from 15 to 20 tonnes	hour	ω	4.500	36.000
. 18 81.18	Tandem roller up to 8 tonnes	hour	24	4.500	108.000
B.19	Tandem roller from 8 to 12 tonnes	hour	တ	5.000	40.000
		19-4	Car	Carried to Summary	788.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ħ		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			
Item No	Description	Unit	Estimated	Unit Rate	Amount
B.20	Triaxle roller from 10 to 15 tonnes	hour	24	15	Ö.
B.21	Light frog- rammer 0.1 tonne	hour	20	0.500	10.000
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	20	10.000	200.000
B.25	Wheel loder 2.0 to 2.5 cu.m.	hour	50	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	ຍ	18.000	90.000
B.29	Bituminous mixing plant with batching apparatus from 80 to 150 t/h.	hour	ເລ	23.000	115.000
B.30	Finisher up to 80 t/h.	hour	10	000.6	90.000
		19-5	Car	Carried to Summary	1244.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	£-1		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
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	2.000	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	20	6.000	120,000
B.36	Screening plant from 80 to 100 t/h.	hour	ιο	16.000	80.000
B.37	Crushing plant from 40 to 60 t/h.	hour	ю	20.000	100.000
88	Crushing plant with primary and secondary from 60 to 100 t/h.	hour	10	30.000	150,000
B.39	Air compressor up to 6000 l/m.	hour	15	1.500	22.500
B.40	Air compressor over 6000 Vm.	hour	16	2.000	30.000
B.41	Mechanical broom	hour	i ~	4.000	28.000
		9-61	ပိ	Carried to Summary	849,000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	E-		
	AQR BILL OF QUANTITIES BILL 19 - DAYWORKS	TES RKS			
Item No	Description	Unit	Estimated	茰	+2
B.42	Power water pump	hour	Quantity 118	K.O. 522	K.O. 52 82.600
B.43	Steel cutting machine	hour	ı	0.800	4.000
B.44	Steel bending machine	hour	છ	1.200	6.000
B.45	Belt conveyor	hour	כז	٦,000	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	12	4.000	48.000
B.48	Automatic concrete batch plant without mixing drum	hour	າວ	7.500	37,500
B.49	Transmixer up to 5 cu.m.	hour	10	6.500	65.000
B.50	Concrete vibrators	hour	59	0.150	8,850
B.51	Orane up to 5 tonnes.	hour	င	4.500	40.500
B.52	Crane with broom and jib 5 to 10 tonnes	hour	ţ-	8.000	56.000
		19-7	Car	Carried to Summary	403.450

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries Rks			
Item No	Description	Unit	Estimated	Unit Rate	Amount
			Quantity	R.O. Bz	R.O. Bz
B.53	Crane with boom and jib over 10 tonnes	hour	į,	11.000	77.000
B.54	Generator 60 kw	hour	ເວ	1.500	7.500
ත දුදි	Generator 75 kw	hour	ಸಂ	1.800	9.000
B.56	Drilling equipment	hour	ည	0.200	1.000
Б.	Generator 100 kw	hour	ເລ	3.000	25.000
B.58	Generator 150 kw	hour	ဟ	4.000	20.000
B.59	Generator 200 kw	hour	10	5.000	25,000
B.60	Gravel strower	hour	ဟ	10.000	20.000
na. Poppega popola de la compressione de la compres					
and the second second					<u>ana ang a</u> nakahatan ka
		19-8	Ça	Carried to Summary	204,500

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	CONSTRUCTION OF FLYOVER AT	YOVER A	Ţ		
· ·	BILL OF QUANTITIES BILL 19 - DAYWORKS	TES			
Item No	Description	Unit	Estimated	Unit Rate	Amount RO R2
	C. MATERIALS		fammana	ı	
viennessentracturezquez y	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.				
ะ เ	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 O	Aggregate for granular aggregate base course in accordance with the Gener Special Specifications, in place as specified.	cu.m.	25	2.000	00000
ci es	Aggregate for bituminous base course in accordance with the General and Special Specifications, near the asphalt plant, in bulk	cu.m.	50	2.000	100.000
۲. ۲.	Fine aggregate for concrete, in accordance with the General and Special Specifications, in place, in bulk	cu.m.	25	2.000	20.000
က ပ	Coarse aggregates for concrete, in accordance with the General and Special specifications, in place, in bulk	cu.m.	20	1.200	000.09
		19-9	Car	Carried to Summary	310.000

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	RKS			
Item No	Description	Unit	Estimated		뉡
			Quantity	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.	25.5	2.500	62.500
Ç	Asphalt cement, grade 60-70 on site	ton	r-4	44,000	44.000
S. S.	Asphalt cement, grade 50-60 on site	ton	.	48.000	48.000
o Ci	Emulsified asphalt, grade RS-1 on site	ton	т	70.000	70.000
C.10	Cutback asphalt, MC and RC type on site	ton	1	75,000	75.000
C.11	Portland cement on site	ton	m	25.000	25.000
Ö N N	Deformed billet steel bars, AASHTO M 31 grade 60 (High Yield) of any diameter	ton	H	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.	က	32.000	000.96
C.15	Highway sign supports - 1 post	nr.	7"	15.000	60.000
		19-10	<u>ဒီ</u>	Carried to Summary	750.500

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	CONSTRUCTION OF FLYOVER AT	YOVER A	T		
	BILL OF QUANTITIES BILL 19 - DAYWORKS	ries RKS			erstege-Challederec cu coleens a nou-
Item No	Description	Unit	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz
C.16	Highway sign supports - 2 post	nz.	22	20.000	40.000
C.17	Timber plank, on site	cu.m.	63	105.000	210.000
C.18	Timber props, on site	cu.m.	63	105.000	210.000
C.19	Wire mesh gabgions, on site	ton	0.5	320.000	160.000
C.20	Explosive, on site	ं ं	10	20.000	100.000
C.21	Gas oil, on site	litre	100	0.080	8.000
C.22	Gasoline, on site	litre	500	0.120	60,000
C.23	Lubricant	, j.	ເລ	0.300	1,500
		19-11	Car	Carried to Summary	789.500

Pucific Consultants International Fuktyama Consultants International

Tree Brown and Tree B	CONSTRUCTION OF FLYOVER AT AQR BILL OF QUANTITIES BILL 19 - DAYWORKS SUMMARY Page 19-1 Page 19-2 Page 19-3 Page 19-7 Page 19-7 Page 19-7 Page 19-7 Page 19-1 Page 19-1 Page 19-1	YOVER A	Estimated Quantity	Unit Rate R.O. Bz	Amount R.O. Bz 7979.000 967.000 511.000 788.000 1244.000 849.000 310.000 750.500 789.500
S-Audinova		19-12	To (To Grand Summary	14795,950

Pacific Consultants International Fukuyama Consultants International

BILL OF QUANTITIES

GRAND SUMMARY

	中国的主义的,我们就是一个人,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们也不是一个人的,我们也不是一个人的, 	Amount
Bill No	Description	R.O.
1	Preliminaries	460910.000
2	Earthworks	288717.600
3	Granular and stabilized subbase, basecourse and stabilized subgrade	32697,300
4	Bituminous Pavement	112476,000
5	Concrete and concrete structure	1314430.000
6	Structural steel and other metal work	64935.000
7	Paint	N/A
8	Drainage and service ducts	82678.000
9	Slope protection and stabilization	4192.000
10	Piling	N/A
11	Bridge bearing, expansion joints, joint seals and fillers	37640.000
12	Sidewalks, paved areas and kerbs	12733.500
13	Safety barriers, delineators and fences	106460.000
14	Highway signs and road marking	43926.200
15	Electrical installations	50000.000
16	Landscape and irrigation	N/A
17	Utilities	50000.000
18	Plant and Equipment	N/A
19	Dayworks	14795.950
	Sub-total	2676591.550
	Contingencies (10%)	267659.155
	TOTAL CONTRACT VALUE (R.O)	2944250.705

NAME OF TENDERER	DATE
SIGNATURE OF TENDERER	



