Appendices

APPENDIX 8-1

Priced Bill of Quantities for

Package-1

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	777	17.	74,300	This Drive (TICE)	TISEN	Amount (TSC)	(301)
TO Y		5	Superior S			Cu	
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0 / 01	GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas	L.S.	0.159	10,900.00	6,800.00	1,733	1,081
/ 03	/ 02 Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control	L.S.	0.159	25,700.00	15,300.00	4,086	2,433
/ 03		L.S.	0.159	0.00	62,400.00	0	9,922
2		P.S.	0.159	2,000.00	2,300.00	318	366
/ 05	office Construction, operation, maintenance and subsequent removal of the Contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land	L.S.	0.159	52,400.00	159,500.00	8.332	25,361
8		L.S.	0.159	15,500.00	7,800.00	2,465	1,240
/ 07		Ľ.S.	0.159	28,800.00	20,200.00	4.579	3,212
8 /		L.S.	0.159	14,770.00	17,120.00	2,348	2,722
8		L.S.	0.159	90,950.00	16,030.00	14,461	2,549
/ 10		L.S.	0.159	36,520.00	17,400.00	5.807	2,767
	shops and construction sites Borcholes and exploratory excavation	P.S.	0.159	1.540.00	880.00	245	140

BILL OF QUANTITIES FOR PACKAGE 1.	드	STAGE]	STAGE I (2/12)			
Item Description	Unit	Quantity	Unit Price (US\$)	(\$SD) =	Amount ((USS)
		,	F.C.	L.C.	F.C.	L.C.
/ 12 All risk insurance of works for permanent and temporary facilities.	L.S.	0.159	10,600.00	7,200.00	1,685	1,145
and insurance for third parties	ď	0.159	10.000.00	5.000.00	1.590	795
installation, maintenance and subse						
instruments and sign boards	0	0 1 0	2 670 00	000	785	3,
subsequent hand over it to the Engineer) } :)))	*	}
/ 15 Furnishing, operation and maintenance of transportation equipment	L.S.	0.159	53,760.00	15,840.00	8,548	2,519
for the Engineer's use and subsequent hand over it to the Engineer						
/ 16 Topographic survey	P.S.	0.159	62,000.00	66,500.00	9,858	10,574
/ 17 Site clearance in acquired areas with houses and other buildings	L.S.	45,207	1.01	0.62	45,659	28,028
		:				
TOTAL OF ITEM NO.0					112,298	95,010
RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES			. :		`	
/ 01 Public utilities subject to relocation/reconstruction for electricity facilities	P.S.		0.00	11,700.00	0	11.700
/ 02 Public utilities subject to relocation/reconstruction for water	S.	-	000	5,000,00	0	5.000
supply/drainage facilities	1 1					
/ 03 Public utilities subject to relocation/reconstruction for communication	P.S.	FI	8	8	0	0
tachines	:					
TOTAL OF ITEM NO.1					0	16,700

	BILL OF QUANTITIES FOR PACKAGE 1.	ب. (ي)	STAGE I	(3/12)			
Item	Description	Unit	Ouantity	Unit Price (US\$)	(SSD)	Amount (USS)	USS)
o O			L	F.C.	L.C.	F.C.	L.C.
<mark>گ</mark> ا د	DRAINAGE CHANNEL			•			
Da	Drainage Channel	14				.	
道 [0/	Excavation	Cu.m	59,975	2.53	1.38	151,737	82,766
/ 02 De	Demolishing, hauling and disposing concrete structures	ca.m	0	3.81	3.51	Ó	0
/ 03_De	Demoishing, hauling and disposing asphalt/masonry structures	m'no	786	3.23	2.47	2,539	1.941
		•					
SS	Sub-total of Item No. 2.1					154,276	84,707
<u> </u>	Levee and Inspection/Relocation Road					-	
\S	Coffering and care of water including dewatering	L.S.	_	4,450.00	3,630.00	4,450	3,630
/ 02 Str	Stripping, grubbing and clearing	sq.m	9,352	0.86	0.47	8,043	4,395
/ 03 Ex	Excavation	cu.m	9,573	2.53	1.38	24,220	13,211
2 日 日	Embankment	ca.m	8,886	3.53	2.34	31,368	20,793
/ 05 Fil	Filling-up by random material	Ct.m	591	0.30	1.10	1771	650
8 %	Geo-textile, t=1.5mm	Sq.m	16,022	0.71	1.49	11,376	23,873
/ 07 So	Sod facing	sq.m	3,325	0.02	1.43	67	4,755
/ 88 Ga	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	11.837	29.00	13.10	343,273	155,065
18 Su	Sub-base course	G.m	495	6.30	2.80	3,119	1,386
/ 10 Ba	Base course	cu.m	371	09.6	8.9	3,562	1.484
/ 11 As	Asphalt pavement	sq.m	2,472	3.60	2.40	8,899	5.933
. 6						438 554	235 175
7	5.00-10/21 01 110/11 110: 2.2	:		-			
2.3 Co	Concrete Parapet Wall						
/ O1 EX	Excavation for footing of parapet wall	ca.m	0	2.53	1.38	0	Ö
/ 02 Ba	Back filling with selected material	Cu.m	0	0.40	1.30	0	0
/ 03 Ga	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	Ō
/ 04 Fu	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	0	74.64	8.30	0	ō
/ 05 Dr	Driving steel sheet pile, for Item No. 2.3/04	m.os	0	10.93	3.82	0	<u></u>
	Furnishing RC piles, 250 x 250 mm	lin.m	0	6.93	4.17	0	ਠ
ر ا م	Driving RC piles, for Item No. 2.3/06	lin.m	0	7.44	2.40	ō	0

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Item Description No. / 08 Concrete, type 4, for footing and wall / 09 Concrete, type 5, for leveling / 10 Form, type F1, for Item No. 2.3/08 / 11 Form, type F2, for Item No. 2.3/08 / 12 Reinforcing bars, for Item No. 2.3/08 / 13 PVC waterstop, W=200 mm / 14 Rubber joint filler, t=10 mm / 15 Bituminous coating / 16 Furnishing and installing trap / 16 Furnishing and installing trap Sub-total of Item No. 2.3 Sub-total Item No. 2.4 Heightening of Existing Masoury Revetment / 01 Wet cobble/rubble masoury, type 1 Sub-total Item No. 2.4	PACKAGE 1, Unit Unit cu.m cu.m sq.m sq.m sq.m sq.m sq.m	STAGE Quantity	Unit Price (USS) F.C. L.C 51.95 2.54 1.99 2.54 1.99 0.70 0.70 0.57	CUSS) L.C. 23.75 21.49 7.08 11.22 0.16 2.85 6.30 0.90 0.35 14.50	F.C. O C C C C C C C C C C C C C C C C C	(S) 1
2.5 Masonry Reverment, Type I / 01 Coffering and care of water including dewatering / 02 Excavation / 03 Back filling / 04 Geo-textile, t=1.5 mm / 05 Gravel bedding / 06 Cobble/rubble filling / 07 Wet cobble/rubble masonry, type I / 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire / 09 PVC pipe for weep bole, diam. 50 mm / 10 Furnishing and driving wooden piles, diam. 15-18cm / 11 Concrete, type 4, for foundation / 12 Concrete, type 5, for leveling / 13 Form, type F2, for Item No. 2.5/11 / 14 Reinforcing bars, for Item No. 2.5/11	L.S. S. S. B.	1 6 1 1 2 2 2 4 4 5 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.00 2.53 0.40 0.71 8.76 18.60 2.20 2.20 2.20 2.20 2.20 2.34 6.67	0.00 1.38 1.30 1.49 4.40 14.50 13.10 0.80 23.75 21.49 0.16	483 175 175 1800 1876 1876 1876 97	0 4 4 1 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

	DIEG OF WOLLTLIES I ON ALIVANIA			(77 /2)	*****		100.00
Item	Description	元 元 二 二 二	Cuantity	Chit	Unit Price (USS)	Amount (USS)	(52)
No.				F.C.	L.C.	F.C.	L.C.
/ 15 Rubberj	Rubber joint filler, t=10 mm	m.ps	8	7.16	6.30	LS	20
Sub-total	Sub-total Item No. 2.5					3,851	2,505
2.6 Masonry	Masonry Reverment, type II Coffering and care of water including dewatering	V		000	000	0	O
/ 02 Excavation		S. E.	0	2.5		0	0
	हैं या	G.H	0	0.40		0	0
/ 04 Geo-text	Geo-textile, t=1.5 mm	Sq.m	0	0.71	1.49	0	0
/ 05 Gravel bedding	edding	cu.m	٥	8.76		0	ō
/ 06 Cobble/n	Cobble/rubble filling	ca.m	0	8.76		0	0
/ 07 Wet cobi	Wet cobble/rubble masonry, type 1	ස.ස ස	0	18.60		0	Ō
/ 08 Gabion r	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	ca.m	0	29.00		0	ō
/ 09 PVC pip	PVC pipe for weep hole, diam, 50 mm	lin.m	0	2.20	: :	0	0
/ 10 Furnishir	Furnishing and driving wooden piles, diam. 15-18cm	lin.m	0	3.90		0	ō
/ 11 Concrete	Concrete, type 4, for foundation	cu.m	0	51.95		0	0
/ 12 Concrete	Concrete, type 5, for leveling	ca.m	0	46.67		ø	0
/ 13 Form, ty	Form, type F2, for Item No. 2.6/16	sq.m	0	2.54		0	ত
/ 14 Reinforc	Reinforcing bars, for Item No. 2.6/11	χ. 23		4.0		0	ठ
/ 15 Rubber j	Rubber joint filler, t=10 mm	E.PS	0	7.10	5 6.30	0	0
*				· .			~
Sub-tota	Sub-total Item No. 2.6					>	>
2.7 Concrete	Concrete Ditch and Culvert						
-	Coffering and care of water including dewatering	LS.	grid	0.00	- T	0	0
/ 02 Excavati	Excavation of channel including trench cut	cu.m	•	2.53	:	0	0
•	edding	cu.m		8.76	5 4.40	0	0
04 Geo-text	Geo-textile, t=1.5mm	S.m.	0	0.71	. :	0	Ö
/ 05 Back filling	gu	cu.m	0	0.40		0	•
/ 06 Gravel filter	liter	cu.m	0	8.6		0	0
	\sim	lin.m	0	2.20		0	0
/ 08 Gabion	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m		29.00	13.10	0	0
							1

				*****		100.2
Item Description	5		Unit Price (USS)	e (253)	Amount (USS)	(0.5%)
No.			F.C.	L.C.	- い -	L.C.
/ 09 Concrete, type 4, for ditch and culvert	cu.m	0	51.95	23.75	0	0
/ 10 Concrete, type 5, for leveling	CG.TM	0	46.67	21.49	0	0
/ 11 Form, type F1, for Item Nos. 2.7/09 and 2.7/10	Sq.m	0	1.99	7.08	0	0
/ 12 Form, type F2, for Item Nos. 2.7/09 and 2.7/10	SQ.TI	0	2.54	11.22	0	0
1/13 Reinforcing bars, for Item Nos. 2.7/09 and 2.7/10	Ķ	0	0.44	0.16	0	0
/ 14 PVC waterstop, W=200mm	lin.m	0	5.25	2.85	0	0
/ 15 Joint bar, diam, 25 mm, L. im	nos.	0	0.56	0.19	0	0
/ 16 Bitumen coating	sq.m	0	0.70	06.0	0	0
Sub-total of Item No. 2.7					0	
TOTAL OF ITEM NO.2				· • • • • • • • • • • • • • • • • • • •	596,681	322,387
	:					
3 DRAINAGE FACILITIES	<u></u>		1.			
3.1 Sluiceway						
/ 01 Coffering and care of water including dewatering	L.S.	p-4	000	80.0	0	0
/ 02 Excavation including trench cut	ce.m	0	2.53	1.38	0	0
/ 03 Back filling with selected materials	ca.m	0	0.40	1.30	0	0
/ 04 Geo-textile, t=1.5 mm	sq.m	0	0.71	1.49	0	0
/ 05 Gravel bedding	cu.m	0	8.76	04.4	0	0
/ 06 Cobble/rubble filling	cu.m	0	8.76	4.40	0	0
/ 07 Wet cobble/rubble masonry, type 2	ca.m	0	25.90	30.40	0	0
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	0
/ 09 PVC pipe for weep hole, diam. 50mm	lin.m	0	2.20	0.80	0	0
/ 10 Bitumen coating	sq.m	0	0.70	0.90	0	Ö
/ 11 Furnishing steel sheet pile, YSPF, W- 400mm	Sq.m	0	74.64	8.30	0	0
/ 12 Driving of steel sheet pile, for Item No. 3.1/11	Sc.m	0	10.93	3.82	0	ō
/ 13 Furnishing RC Piles, 250 mm x 250 mm	lin.m	0	6.93	4.17	0	0
/ 14 Driving of RC piles, for Item No. 3.1/13	Sq.m	0	4.7	2.40	0	0
/ 15 Concrete, type 3, for blockout concrete	Cu.m	0	52.68	24.06	0	0
/ 16 Concrete, type 4, for sluiceway structures & reverment	cs.m	0	51.95	23.75	0	0
/ 17 Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	٥

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	(USS)	L.C.	64.30	7.08	11.22	0.16	0.19	2.85	6.30	297.00		341.00	350.30		380.00	- 1	412.00	5	442.00	487 00		200.00		52.00		\$3.00	146.00	191.00	242.00	298.00	361.00	429.00
(7/12)	Unit Price	F.C.	42.30	1.99	4.53	4.0	0.56	5.25	7.16	2.668.00	0	3,068.00	3 1 49 00) 	3,413.00	: :	3,705.00	0000	3,975.00	4 375 00		4,580.00		461.00		8.8	146.00	191.00	242.00	298.00	361.00	429.00
STAGE I	Quantity _		0	0	0	0	0	0	0	0	•	0	C	1	0		0		0	C	>	0		0	-	0	0	0	0	0	0	0
r-i (L)	Unit		cu.m	SQ.m	Sq.m	×	nos.	lin.m	Sq.m	set	:	ઝ	į	}	Set		Set		Set	ģ	j	इ	1	દ્ભ		Set	S	झ	ş	돲	set	š
BILL OF QUANTITIES FOR PACKAGE 1,	Item Description		18 Base mortar		20 Form, type F2, for Item Nos. 3.1/15 and 3.1/16		. 75	/ 23 PVC waterstop, W=200mm		25 Steel slide gate including hoist, guide frame, accessories and spare		/ 26 Steel slide gate including hoist, guide frame, accessories and spare	parts. W= 0.8 m x H = 0.8 m		/ 28 Steel slide gate including hoist, guide frame, accessories and spare	parts, W= 1.0 m x H = 1.0 m	/ 29 Steel slide gate including hoist, guide frame, accessories and spare		/ 30 Steel slide gate including hoist, guide frame, accessories and spare		7.51 Steet since gate including noist, guide itaine, accessoires and spare north Wall 3 m x H = 13 m	/ 32 Steel slide gate including hoist, guide frame, accessories and spare		33 Steel flap gate including guide frame, accessories and spare parts.	W=0.4 m x H = 0.4 m	34 Timber stoplog, W = 0.4 m x H = 0.4 m	-	Timber stoplog, W	٠.	Timber stoplog, W	39 Timber stoplog, W = 1.1 m x H = 1.1 m	40 Timber stonics W = 12 m x H = 12 m

	Amount (US\$)	L.C.	0	0		- C			0	344 198	8 27		_	0	 5		0	0	0	6,694 3,452	0	7,195 3,752	7,195			010.1	25 68 89	1 701	
	(USS) Am	L.C. F.C.	504.00	581.00	13.00	*****		<u> </u>	00:00		1.30	1.49	07.4	23.75	 21.49	8.75	0.16	6.30	12.20		3.90	7.	 •				2.47		
I (8/12)	Unit Price (I	F.C.	504.00	281.00	115.00				00.00	3.28				51.95	40.0/			7.16	25.40	15.90	7.50					4,490.00	3.23		
STAGE I	Quantity		0	0	0					105	21	0	17	0	 0	0	0	0	0	421	0				,		21		
(원	Unit		set	Set	Şe				L.S.	G.B	cu.m	sq.m	cu.m	cu.m	 CG.TH	Sq.m	kg	SQ.III	lin.m	lin m	lin.m	· · · · · · · · · · · · · · · · · · ·			3		3 8 8 8		
BILL OF QUANTITIES FOR PACKAGE 1,	Item	No.	/ 41 Timber stoplog, W = 1.3 m x H = 1.3 m	/ 42 Timber stoplog, W = 1.5m x H = 1.3 m	/ 43 Maintenance tool for gate, stoplog and hoist		Sub-total of item No. 3.1	3.2 Connection Canal / Cross Drain	Ξ	/ 02 Trench excavation		/ 04 Geo-textile, t= 1.5 mm	/ 05 Gravel bedding	/ 06 Concrete, type 4, for slab, strut and facing concrete of wet rubble		/ 08 Form, type F2, for Item No. 3.2/06	/ 09 Reinforcing bars, for Item No. 3.2/06	/ 10 Rubber joint filler, t=10 mm	/ 11 Precast concrete culvert, 400x 400mm	/ 12 Precast concrete side ditch, U-type, 400x400mm	/ 13 Precast concrete side ditch, L-type, 300x300mm	Sub-total of Item No. 3.2	TOTAL OF ITEM NO. 3	4 BRIDGE AND ROAD			/ 02 Demonstring, naturing and disposing asphalt/masoury structures		Suo-total of item No. 4.1

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10.5c. 1 325.00 136.00		los.	00	299.00	124.00	00	00
nos. 0 342.00 142.00 0 nos. 0 358.00 142.00 0 nos. 0 415.00 155.00 0 nos. 0 415.00 155.00 0 nos. 0 415.00 155.00 0 lin.m 0 438 0 nos. 0 140.00 60.00 0 lin.m 0 155.00 66.00 0 lin.m 0 7.55 3.98 0 lin.m 0 7.55 3.98 0 lin.m 0 7.55 3.98 0 lin.m 0 9.59 4.50 0 lin.m 0 9.59 4.50 0 lin.m 0 254.00 109.00 0 lin.m 0 254.00 109.00 0 lin.m 0 257.00 135.00 0 lin.m 0	1. m		> ⊷	328.00	136.00	328	136
m nos. 0 358.00 148.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e	los.	0 (342.00	142.00	Ö	00
m mos.		. 50S.	0 0	358.00	8.8	o c	5 6
nos. 0 485.00 203.00 0 nos. 0 140.00 60.00 0 lin.m 0 135.00 66.00 0 lin.m 0 7.55 3.98 0 lin.m 0 7.55 3.98 0 lin.m 0 7.55 3.98 0 lin.m 0 165.00 72.00 1.183 50 lin.m 0 163.00 72.00 0 <td>= 8</td> <td></td> <td>0</td> <td>415.00</td> <td>173.00</td> <td>0</td> <td>0</td>	= 8		0	415.00	173.00	0	0
0 140.00 60.00 0 8.30 4.38 0 155.00 66.00 0 0 155.00 66.00 0 10.38 4.87 727 34 0 183.00 72.00 0 0 8.90 4.17 0 0 8.90 4.17 0 0 8.31 3.90 0 0 6.92 3.25 0 0 6.92 3.25 0 0 9.59 4.50 0 0 9.59 4.50 0 0 0 252.00 108.00 0 0 7.55 3.99 0 0 6.92 3.25 0 0 7.55 3.99 0 0 7.55 3.99 0 0 252.00 108.00 0	8	ios.	0	485.00	203.00	0	0
0 8.30 4.38 0 155.00 66.00 0 7 169.00 72.00 1.183 50 19.30 78.00 0 9.59 4.50 0 197.00 84.00 0 8.31 3.90 0 0 254.00 109.00 0 0 8.31 3.90 0 0 6.92 3.25 0 0 9.59 4.87 1.682 78 0 9.59 4.80 0 0 9.59 4.80 0 0 9.59 135.00 0 0 9.59 135.00 0 0 7.55 3.99 0		sos.	0	140.00	60.00	0	0
0 155.00 66.00 0 7.55 3.98 0 7 169.00 72.00 1.183 50 183.00 72.00 1.183 50 0 183.00 78.00 0 197.00 84.00 0 0 8.31 3.90 0 0 254.00 109.00 0 0 6.92 3.25 0 0 6.92 3.25 0 0 9.59 4.50 0 0 9.59 4.50 0 0 9.59 135.00 0 0 9.59 135.00 0 0 7.55 3.99 0		n.m	0	8.30	4.38		o
7.55 3.98 0 7. 169.00 72.00 1,183 50 10.38 4.87 727 34 0 183.00 78.00 0 0 9.59 4.50 0 0 8.31 3.90 0 0 254.00 109.00 0 0 254.00 109.00 0 152 209.00 90.00 2,508 1,08 162 10.38 4.87 1,682 78 163 10.38 4.87 1,682 78 0 9.59 4.50 0 0 9.59 4.50 0 0 9.59 135.00 0 0 252.00 108.00 0 0 7.55 3.99 0		sos.	0	155.00	96.00	0	<u></u>
7 169.00 72.00 1.183 50 70 10.38 4.87 727 34 0 183.00 78.00 0 0 9.59 4.50 0 0 8.31 3.90 0 0 8.31 3.90 0 0 6.92 3.25 0 10.38 4.87 1.682 78 162 10.38 4.87 1.682 78 0 9.59 97.00 0 0 9.59 4.50 0 0 9.59 135.00 0 0 522.00 108.00 0 0 7.55 3.99 0		m.m	0	7.55	3.98	0	0
70 10.38 4.87 727 34 0 183.00 78.00 0 0 197.00 84.00 0 0 8.90 4.17 0 0 254.00 109.00 0 0 6.92 3.25 0 0 6.92 4.50 0 0 9.59 4.50 0 0 9.59 135.00 0 0 6.92 3.25 0 0 6.92 3.25 0 0 7.55 3.99 0		los.	~	169.00	72.00	1,183	504
0 183.00 78.00 0 9.59 4.50 0 197.00 84.00 0 0 211.00 90.00 0 8.31 3.90 0 0 254.00 109.00 0 6.92 3.25 0 162 10.38 4.87 1,682 78 0 9.59 4.50 0 0 9.59 4.50 0 0 9.59 135.00 0 0 252.00 108.00 0 0 7.55 3.99 0	<u></u>	m.m	2	10.38	4.87	727	341
0 9.59 4.50 0 197.00 84.00 0 8.90 4.17 0 8.31 3.90 0 8.31 3.90 0 6.92 3.25 0 1.038 4.87 1.682 78 162 10.38 4.87 1.682 78 0 227.00 97.00 0 9.59 4.50 0 0 9.59 135.00 0 0 5.22.00 108.00 0 0 7.55 3.99 0		ios.	0	183.00	78.00	0	0
0 197.00 84.00 0 8.90 4.17 0 0 211.00 90.00 0 0 254.00 109.00 0 12 209.00 90.00 2.508 1.08 162 10.38 4.87 1.682 78 0 227.00 97.00 0 9.59 4.50 0 0 9.59 135.00 0 0 252.00 108.00 0 0 7.55 3.99 0		m.n	0	9.59	4.50	0	0
0 8.90 4.17 0 0 211.00 90.00 0 8.31 3.90 0 0 254.00 109.00 0 6.92 3.25 0 162 10.38 4.87 1,682 78 0 227.00 97.00 0 0 9.59 4.50 0 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0		os.	0	197.00	84.00	0 (0
0 211.00 90.00 0 8.31 3.90 0 0 254.00 109.00 0 12 209.00 90.00 2.508 1,08 162 10.38 4.87 1,682 78 0 227.00 97.00 0 0 9.59 4.50 0 0 6.92 3.25 0 0 6.92 3.25 0 0 7.55 3.99 0	<u></u>	m.m	0	8.90	4.17	0 (0
0 8.31 3.90 0 0 254.00 109.00 0 12 209.00 90.00 2.508 1,08 162 10.38 4.87 1,682 78 0 227.00 97.00 0 0 9.59 4.50 0 0 315.00 135.00 0 0 252.00 108.00 0 0 7.55 3.99 0		10S.	0	211.00	90:00	0 (0
0 254.00 109.00 0 0 6.92 3.25 0 12 209.00 90.00 2.508 1.08 162 10.38 4.87 1.682 78 0 227.00 97.00 0 0 9.59 4.50 0 0 315.00 135.00 0 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0		m.m	0	8.31	3.90	0	0
0 6.92 3.25 0 12 209.00 90.00 2.508 1,08 162 10.38 4.87 1,682 78 0 227.00 97.00 0 9.59 4.50 0 0 315.00 135.00 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0		10s.	0	254.00	109:00	0	~
12 209.00 90.00 2.508 1.08 162 10.38 4.87 1.682 78 0 227.00 97.00 0 9.59 4.50 0 0 315.00 135.00 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0		m.m	0	6.92	3.25	0	0
162 10.38 4.87 1,682 78 0 227.00 97.00 0 0 9.59 4.50 0 0 315.00 135.00 0 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0 0 276.00 118.00 0		Jos.	22	209.00	80.00	2,508	1,080
0 227.00 97.00 0 0 9.59 4.50 0 0 315.00 135.00 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0		in.in	162	10.38	4.87	1,682	189
0 9.59 4.50 0 0 315.00 135.00 0 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0 0 276.00 118.00 0		3OS	0	227.00	97.00	0	<u></u>
0 315.00 135.00 0 0 6.92 3.25 0 0 252.00 108.00 0 0 7.55 3.99 0 0 276.00 118.00 0	p	m.m	0	9.59	4.50	Ó	0
0 6.92 0 252.00 10 0 7.55 0 276.00		30s.	0	315.00	135.00	0	ठ
0 252.00 10 7.55 0 0 276.00		in.m	0	6.92	3.25	0	ਠ
0 7.55		JOS.	0	252.00	108.00	0	0
0 276.00		in.m	0	7.55	3.99	0	0
		nos.	0	276.00	118.00	Ō	0

A1-9

50/0		Quantity	Unit Price	CESS	#	(US\$)
2/31 ypc, L= 14 m	in.m nos.	000	322.00	138.00	000	000
Concrete, type 2, for bridge slab, pier and abutment	- H	2 2	53.78	24.54	1,345	614
10 cm.	cn.m		46.67	21.49	74	21
/35 and 4.2/36	R. S.	52	1.99	7.08	103	368
2/35	kg	2,661	44.0	0.16	1,171	426
Sub-total of Item No. 4.2		:		1470-1140 W SI-1760	9,094	4,279
Superstructure			· .			
Furnish and erection of PC girder, H-400mm, L-7.3m, BM-70	섫	0	459.00	210,00	0	0
Ħ	<u>ج</u>	0	591.00	267.00	0	0
Furnish and erection of PC girgder, H-450mm, L-10.5m, BM-70	8	0	747.00	335.00	0	0
Furnish and erection of PC girgder, H-450mm, L-11.9m, BM-70	<u>ਲ</u>	0	842.00	376.00	0	0
Furnish and erection of PC girgder, H-500mm, L-13.35m, BM-70	섫	0	1.071.00	466.00	0	0
Furnish and erection of PC girgder.H-500mm, L-14.15m, BM-70	ъ.	0	1.131.00	492.00	0	0
>-4		82	1,305.00	268.00	23,490	10,224
12.9m	넗.	0	1.037.00	452.00	0	0
Furnish and erection of PC girgder, H-350mm, L-7.3m, Pedestrian	ž	0	404.00	186.00	0	0
	<u> </u>	0	462.00	211.80	•	0
Furnish and erection of PC girgder, H-450mm, L-13.1m, Pedestrian	 	0	948.00	413.00	0	0
	in.m	347	4,26	8.	1,478	347
Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	33	53.78	24.54	1,775	810
	cu.m	0	51.95	23.75	0	0
.3/13 and 4.3/14	sd-m	170	3.86	8.86	959	1,506
Reinforcing bars, for Item Nos. 4.3/13 and 4.3/14	× ×	862	0.44	0.16	379	138
	lin.m	0	10.60	5.10	0	0
Rubber bearing pad, t=33mm, W=150mm	in.m	27.4	217.00	25.70	5,946	\$
Non-shrink mortar with grid bars, for shoe base	H H	330.0	1.84	1.27	607	419
Anchoring in fixed bearing shoe	nos.	15	12.02	6.48	180	76
						•

BILL OF QUANTILLS FOR PACKAGE	;	VIAGE I	(11/16)			
Item		Quantity	Unit Price (USS)	(CSS)	Amount (USS)	(0.55)
			F.C.	L.C.	E.C.	1.C.
/ 22 Guard pipe for Road bridge, H=0.4m	lin.m	81.0	41.40	11.30	3,353	915
	lin.m	0.0	174.00	27.00	0	0
	nos.	0	4.72	2.14	0	0
/ 25 Drain pipe, D=75mm, L=70cm	nos.	12	4.15	2.08	20	25
/ 26 Drain pipe, D=75mm, L=40cm	nos.	0	2.37	1.62	0	0
1	lin.m	18.4	306.00	45.00	5,630	773
	lin.m	0.0	342.00	46.00	0	ō
	ca.m	13	71.10	48.60	924	632
Sub-total of Item No. 4.3			-		44,627	16,685
A SACCOST A SACC						an a gi ng ang panan
Ħ	SQ.m	717	3.23	2.47	2,316	1,771
	G.m	\$	2.53	1.38	121	8
	G.m	4	0.40	1.30	18	57
/ 04 Wet rubble/cobble masonry for slope protection	G.m	104	18.60	14.50	1,934	1,508
/ 05 Concrete, type 3, for approach step	G.m	0	52.68	24.06	0	0
_	g. B.	43	51.95	23.75	2,234	1.021
/ 07 Concrete, type 5, for foundation concrete	Gu.m	15	46.67	21.49	78	322
	m.ps	219	1.99	7.08	436	1.551
/ 09 Form, type F2, for Item Nos. 4.4/05 to 4.4/07	SQ.m	င္က	2.54	8.75	76	263
/ 10 Reinforcing bars, for Item Nos. 4,4/05 and 4,4/06	K K	0	4.0	0.16	0	0
	nos.	357	6.40	8. 8	2,285	1,214
/ 12 Precast concrete side ditch, 300 x 300 mm	lin.m	214	12.20	6.40	2,611	1,370
/ 13 Embankment and sub-grade	cu.m	126	3.53	2.34	\$4	295
/ 14 Sub-base course	G.m.	8	6.30	2.80	687	305
/ 15 Base course	carm	8	9.60	8.4	787	328
/ 16 Asphalt pavement	cu.m	28	71.10	48.60	1,991	1,361
/ 17 Guardrail, concrete post	lin.m	0	3.09	2.07	0	0
					,	,
Sub-total of Item No. 4.4			•		16,641	11,432
TOTAL OF ITEM NO. 4					74,962	34,097
SUMMARY OF AMOUNT		- -				

Decision	Timit	December of Organity	Unit Price (US\$)	: (US\$)	Amount (USS)	(SS)
Les ipuon	5			L.C.	F.C.	L.C.
No.					112,298	95,010
NO. O GENERAL LIEM NO. O					0	16,700
NO. 1 KELUCATION/KECONSTRUCTION OF COLEGO CITETION OF THE COLEGO CIT					596,681	322,387
NO. 2 DEMINAGE CENTINEE					7,195	3,752
No. 3 DRAINAGE FACILITIES					74,962	34,097
No. 4 BRIDGE AND ROAD	:					
TOTAL OF CONSTRUCTION COST					791.136	471.946
					1,263,082	087
					-	

	BILL OF QUANTITIES FOR PACKAGE 1, STAGE 11 (1/12)	i	VIAGE L	(21/1) 1			
Item		Unit	Quantity [Unit Price (USS)	e (USS)	Amount (US\$)	(SSD)
Š				F.C.	ĽC	F.C.	L.C.
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas	L.S.	0.434	10,900.00	6.800.00	4.731	2,951
8	/ 02 Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control	L.S.	0.434	25,700.00	15,300.00	11,154	6,640
/ 03	•	L.S.	0.434	0.00	62,400.00	0	27.082
. 2		P.S.	0.434	2,000.00	2,300.00	898	866
/ 05		L.S.	0.434	52,400.00	159,500.00	22,742	69,223
	staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land		-				g paragraphy and provided a paragraphy and p
8	Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing	L.S.	0.434	15,500.00	7,800.00	6,727	3,385
/ 07		L.S.	0.434	28.800.00	20,200.00	12,499	8,767
80 /	anver 3 Installation, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage	L.S.	0.434	14,770.00	17,120.00	6,410	7.430
8		L.S.	0.434	90.950.00	16,030.00	39,472	6,957
/ 10	temporary electric supply system Installation, operation, maintena	L.S.	0.434	36,520.00	17.400.00	15,850	7,552
/ 11	temporary telecommunication system connecting with office, work shops and construction sites 1. Boreholes and exploratory excavation	P.S.	0.434	1,540.00	880.00	899	382

QUANTITIES FOR PACKAGE 1, STAGE II (2/12) ption Unit Quantity Unit Price (US\$)
L.S.
L.S.
L.S.
P.S.
S.
P.S.
P.S.

	BILL OF QUANTITIES FOR PACKAGE	berd •	STAGE 11	(3/1Z)			
Item	Description		Quantity	Unit Price (USS)	(SSD)	Amount (USS)	USS)
Š				F.C.	L.C.	F.C.	L.C.
2	DRAINAGE CHANNEL						
5	Dramage Channel	- 1	027	9 6	000	706 360	102 701
3 5	Excavation Demolishing hanling and dismosing concrete structures		27.47.9	3.81	3.51	107	104.57
80 /		G.m.	1,521	3.23	2.47	4,913	3,757
	Sub-total of Item No. 2 1					231 402	127 336
	טיים ביין איניין אייין איניין איייין איניין איייין איייין איייין איייין איייין איייין איייין אייייי				****	1	
2.2	Levee and Inspection/Relocation Road						
10/	Coffering and care of water including dewatering	L.S.	+-1	4,450.00	3,630.00	4,450	3,630
7 02	Stripping, grubbing and clearing	80.m	17,250	98.0	0.47	14,835	8,108
/ 03	Excavation	cu.m	9,410	2.53	1.38	23,807	12,986
9	Embankment	ca.m	14,071	3.53	2.34	49,671	32,926
7	Filling-up by random material	cu.m	529	0.30	1.10	159	582
8	Geo-textile, t=1.5mm	sq.m	14,309	0.71	1.49	10,159	21,320
/ 07	Sod facing	sq.m	5,234	0.02	1.43	105	7,485
7.08	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	10,579	29.00	13.10	306,791	138,585
8	Sub-base course	cu.m	1,241	6.30	2.80	7.818	3,475
/ 10	Base course	cu.m	930	9.60	8.4	8.928	3.720
/ 111	Asphalt pavement	SQ.III	6,197	3.60	2.40	22,309	14,873
:						449.022	007 770
	Suo-total of Meth No. 2.2					700	2)
2.3	Concrete Parapet Wall						-
10/	Excavation for footing of parapet wall	cu.m	1,616	2.53	1.38	4,088	2,230
7 82	Back filling with selected material	cr.m	726	0.40	1.30	290	44
/ 03		Cu.m	288	29.00	13.10	8.352	3,773
0.7	Furnishing steel sheet pile, YSPF	Sc.m	1,726	74.64	8.30	128,829	14.326
7.05		so.m	1,726	10.93	3.82	18,865	6.593
8		lin.m	3,684	6.93	4.17	25,530	15,362
6	Driving RC piles, for Item No. 2.3/06	lin.m	3,684	7.44	2.40	27.409	8.842

Figure Description Unit Quantity Unit Price (USS) F.C. F.C. F.C. L.C. L		BILL OF QUANTITIES FOR PACKAGE 1,	CKAGE 1.	STAGE II	I (4/12)			
Second Concrete, 1992 4, for footing and wall Cum 114	Item	Description	Chi		Unit Price	(SSD)	Amount	(SS)
Sourcete, type 4, for footing and wall Cum 707 51.95 23.75 36,729 10.00	No.				P.C.	L.C.	F.C.	L.C.
Sub-total frem No. 2.4	~	type 4, for footing and wall	cu.n		51.95	23.75	36,729	16,791
Form, type F1, for Item No. 2.3/08 sq.m 381 1.99 7.08 7.08 7.08 7.08 11.22 3.625 11.20 3.625		type 5, for leveling	Cu.n		46.67	21.49	5,320	2,450
Form, type F2, for Item No. 2.3/08 sqm 1.427 2.54 11.22 3.625 1		F1, for Item No. 2.3/08	SQ.n		1.99	7.08	758	2,697
12 Reinforcing bars, for Item No. 2.3/08 Item 1.955 5.255 5.255 10.264 13 PVC vaterstop, W=200 mm sq.m 1.955 5.255 10.264 14 Rubber joint filler, t=10 mm sq.m 119 0.70 0.30 8.3 15 Rubber joint filler, t=10 mm sq.m 119 0.70 0.30 8.3 16 Furnishing and installing trap kg 187 0.57 0.35 107 16 Furnishing and installing trap kg 187 0.57 0.35 107 16 Furnishing and installing trap cum cum 0 18.60 14.50 0 17 Reichening of Existing Maxomy Revement cum	/ 11 Form, type	EF2, for Item No. 2,3/08	SG.n		2.54	11.22	3,625	16,011
13 PVC waterstop, W=200 mm 1,955 5.25 2.85 10,264 14 Rubber joint filler, t=10 mm 1,955 5.25 2.85 10,264 15 Situbber joint filler, t=10 mm 1,955 5.25 2.85 10,264 15 Situbber joint filler, t=10 mm 2,4 m 1,9	/ 12 Reinforcin	ig bars, for Item No. 2.3/08	× ×		0.44	0.16	24,838	9,032
Sub-total of Item No. 2.5 14 119 0.70 0.50 18	/ 13 PVC wate	rstop, W=200 mm	lin.n		5.25	2.85	10,264	5,572
Sub-total of Item No. 2.3 Heightening of Existing Masonry Revernent 1.5 0.57 0.55 107 0.50 0.50 0.55 107 Sub-total of Item No. 2.3 0.57 0.55 107 105 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 107 0.55 0.55 107 0.55 0.55 107 0.55 0.55 107 0.55 0	/ 14 Rubber joi	int filler, t=10 mm	r bs		7.16	6.30	14	13
Furnishing and installing trap kg 187 0.57 0.35 107 Sub-total of Item No. 2.3 107 108 Heightening of Existing Masonry Revetment cu.m 0 18.60 14.50 0 Wet cobblerubble masonry. type 1 1.53 1.53 1.53 1.53 1.53 1.53 1.53 Masonry Revetment Type I 1.53 1.5	/ 15 Bituminou	is coating	z DS		0.70	0.90	8	107
Sub-total of Item No. 2.5 Sub-total of Item No. 2.5	/ 16 Furnishins	; and installing trap	X X	187	0.57	0.35	107	65
Heightening of Existing Masoury Reverment Sub-total Item No. 2.4 Masoury Reverment. Type I Nasoury Reverment. Type I Offering and care of water including dewatering Excavation Discreptible, end of water including dewatering Cum Offering and care of water including dewatering Excavation Discreptible and care of water including dewatering Cum Offering and driving wooden piles, diam. 15-18cm Outhor 1.257	Sub-total c	of Item No. 2.3					295,101	104,808
Heightening of Existing Masonry, Keverment								
Sub-total Item No. 2.4 Masonry Reverment, Type I Masonry Reverment, Type I Masonry Reverment, Type I Masonry Reverment, Type I Coffering and care of water including dewatering Cum Secaration Back filling Gum Secaration Cum Secaration Secaration	;	_			07 01	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C	•
Sub-total Item No. 2.4 Sub-total Item No. 2.4 0.4 0.5340.00 5.340.00 <t< td=""><td></td><td>erubble masonry, type 1</td><td>Curn</td><td></td><td>18.00</td><td>14.30</td><td>5</td><td></td></t<>		erubble masonry, type 1	Curn		18.00	14.30	5	
Masonry Reverment, Type I L.S. 1 5,340.00 5,340 D1 Coffering and care of water including dewatering cu.m 6,477 2,53 1,38 16,387 D2 Excavation cu.m 540 0,40 1,30 216 D3 Back filling cu.m 540 0,71 1,49 64 D4 Geo-textile, t=1.5 mm sq.m 90 0,71 1,49 64 D5 Gravel bedding cu.m 890 8,76 4,40 7,796 D5 Gravel bedding cu.m 1,852 18.60 14.50 2,786 D5 Gravel bedding cu.m 1,852 18.60 14.50 34,47 2,786 D5 Gravel bedding cu.m 1,852 18.60 14.50 34,47 2,786 D5 Gravel bedding cu.m 1,852 18.60 14.50 34,47 2,786 D7 Wet cobble/rubble masonry, type I cu.m 2,256 29.00 13.10 64,554 2 D8 PVC pipe for weep hole, diam, 50 mm lin,m 2,56 29.00 13.10 64,574 D7 Concrete, type 5, for I	Sub-total 1	tem No 2.4			-		0	0
Masonry Reverment, Type I L.S. 1 5.340.00 5.340 5.2 Coffering and care of water including dewatering cu.m 6,477 2.53 1.38 16,387 32 Excavation cu.m 540 0.40 1.30 216 34 Geo-textilis, t=1.5 mm 90 0.71 1.49 64 34 Geo-textilis, t=1.5 mm 876 4.40 7.796 35 Gravel bedding 8.76 4.40 7.796 36 Cobble/rubble filling 8.76 4.40 7.796 37 Wet cobble/rubble filling 8.76 4.40 2.786 37 Wet cobble/rubble masonry, type I 2.226 29.00 13.10 64.554 2 38 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire cu.m 2.226 29.00 13.10 64.554 2 39 PVC pipe for weep hole, diam, 50 mm 16.m 5.250 3.90 2.48 8.775 11 Concrete, type 5, for leveling cu.m 1509 2.55 21.49 7.001 12 Form, type F2,								
Coffering and care of water including dewatering Excavation Back filling Geo-textife, t=1.5 mm Gravel bedding Coum 540 O.40 1.30 2.53 1.38 16.387 2.18 Back filling Geo-textife, t=1.5 mm Gravel bedding Coum 890 S.76 Coum 318 S.76 Coum 32.20 S.78 Excavation In.m 2,226 S.79 In.m 2,226 S.90 S.79 In.m 2,226 S.90 S.77 Soum 371 S.19 Couracte, type 4, for foundation Concrete, type 5, for leveling Form, type F2, for Item No. 2.5/11 Kg 14,714 O.40 1.30 2.48 S.75 Sq.m 1.30 S.34 S.340 S.340 S.36 S.36 S.36 S.36 S.36 S.375 S.375 Sq.m 1.893 S.375 Sq.m 1.893 S.54 Sq.m 1.893 S.54 Sq.m 1.893 S.54 Sq.m 1.893 S.54 Sq.m 1.22 Sq.m 1.30 Sq.m 1.893 S.54 Sq.m 1.22 Sq.m 1.893 S.54 Sq.m 1.893		Reverment, Type I						
Excavation 6,477 2.53 1.38 16,387 Back filling Cu.m 540 0.40 1.30 216 Geo-textile, t=1.5 mm 90 0.71 1.49 64 Gravel bedding cu.m 890 8.76 4.40 7,796 Cobble/rubble filling cu.m 318 8.76 4.40 2,786 Cobble/rubble filling wet cobble/rubble masomy, type 1 cu.m 318 8.76 4.40 2,786 Wet cobble/rubble masomy, type 1 cu.m 1,852 18.60 14.50 34.47 2 Wet cobble/rubble masomy, type 1 cu.m 2,226 29.00 13.10 64.554 2 Robic for weep hole, diam, 50 mm lin,m 2,226 29.00 13.10 64.554 2 Furnishing and driving wooden piles, diam, 15-18cm lin,m 2,250 3.90 2.48 8,775 Concrete, type 5, for leveling cu.m 150 46.77 11.22 4,808 Form, type F2, for Item No. 2.5/11 <td< td=""><td></td><td>and care of water including dewatering</td><td>L.S.</td><td></td><td>5.340.00</td><td>4,350.00</td><td>5,340</td><td>4,350</td></td<>		and care of water including dewatering	L.S.		5.340.00	4,350.00	5,340	4,350
Back filling Cu.m 540 0.40 1.30 216 Geo-textile, t=1.5 mm Geo-textile, t=1.5 mm 90 0.71 1.49 64 Gravel bedding cu.m 890 8.76 4.40 7.796 Cobble/rubble fulling Cobble/rubble fulling Cu.m 318 8.76 4.40 7.796 Wet cobble/rubble masomry, type I cu.m 1.852 18.60 14.50 34,47 2.786 Wet cobble/rubble masomry, type I PVC pipe for weep hole, diam, 50 mm 1.852 18.60 14.50 34,47 2.786 2.786 1.234 1.234 2.240 0.80 1.234 2.24 2.246 2.250 0.80 1.234 2.248 8.775 2.48 8.775 2.49 7.001 2.249 <th< td=""><td>/ 02 Excavation</td><td></td><td>- Gru</td><td></td><td>2.53</td><td>1.38</td><td>16,387</td><td>8,938</td></th<>	/ 02 Excavation		- Gru		2.53	1.38	16,387	8,938
Geo-textile, t=1.5 mm Sq.m 90 0.71 1.49 64 Gravel bedding Cobble/rubble filling 8.76 4.40 7,796 Cobble/rubble filling 8.76 4.40 7,796 Wet cobble/rubble masonry, type I cu.m 1,852 18.60 14.50 34,47 Wet cobble/rubble masonry, type I cu.m 2,226 29.00 13.10 64,554 PVC pipe for weep hole, diam. 50 mm lin.m 561 2.20 0.80 1,234 Furnishing and driving wooden piles, diam. 15-18cm lin.m 2,250 3.90 2.48 8,775 Concrete, type 4, for foundation cu.m 371 51.95 23.75 19.273 Concrete, type 5, for leveling cu.m 150 46.67 21.49 7.001 Form, type F2, for Item No. 2.5/11 kg.m 1,893 2.54 11.22 4.808 Reinforcing bars, for Item No. 2.5/11 kg.m 14,714 0.44 0.16 6,474	/ 03 Back fillin	S.C.	G CG TO		0.40	1.30	216	702
cu.m 890 8.76 4.40 7,796 cu.m 318 8.76 4.40 2,786 cu.m 1,852 18.60 14.50 34,447 cu.m 2,226 29.00 13.10 64,554 lin.m 2,250 3.90 2.48 8,775 cu.m 371 51.95 23.75 19.273 cu.m 150 46.67 21.49 7,001 sq.m 1,893 2.54 11.22 4,808	•	e, t=1.5 mm	SG.H		0.71	1.49	64	134
cu.m 318 8.76 4.40 2.786 cu.m 1.852 18.60 14.50 34.447 cu.m 2.226 29.00 13.10 64.554 lin.m 2.250 0.80 1.234 lin.m 2.250 3.90 2.48 8.775 cu.m 371 51.95 23.75 19.273 cu.m 150 46.67 21.49 7.001 sq.m 1.893 2.54 11.22 4.808 2	/ 05 Gravel bex	lding	co.n		8.76	4.40	7,796	3,916
cu.m 1,852 18.60 14.50 34,447 2,226 29.00 13.10 64,554 2,11m.m 2,226 29.00 13.10 64,554 2,11m.m 2,250 3.90 2.48 8.775 20.m 371 51.95 23.75 19,273 20.m 1,893 2.54 11.22 4,808 2,804 0.16 6,474	/ 06 Cobble/rul	bble filling	Curn		8.76	4.40	2,786	1,399
cu.m 2,226 29.00 13.10 64,554 2 20	/ 07 Wet cobbi	e/rubble masonry, type I	en.no		18.60	14.50	34,447	26,854
lin.m 561 2.20 0.80 1.234 lin.m 2,250 3.90 2.48 8,775 cu.m 371 51.95 23.75 19.273 cu.m 150 46.67 21.49 7.001 sq.m 1,893 2.54 11.22 4,808 kg 14,714 0.44 0.16 6,474	/ 08 Gabion m	attress, 3.0x1.5x0.5 m, PVC coated wire	CG.II		29.00	13.10	64,554	29,161
lin.m 2,250 3.90 2.48 8,775 cu.m 371 51.95 23.75 19.273 cu.m 150 46.67 21.49 7,001 sq.m 1,893 2.54 11.22 4,808 2 kg 14,714 0.44 0.16 6,474	/ 09 PVC pipe	for weep hole, diam. 50 mm	Lin.n		2.20	0.80	1,234	449
cu.m 371 51.95 23.75 19.273 cu.m 150 46.67 21.49 7.001 sq.m 1.893 2.54 11.22 4.808 kg 14,714 0.44 0.16 6.474	7 10 Furnishing	and driving wooden piles, diam. 15-18cm	lin.n	~	3.90	2.48	8,775	5,580
cu.m 150 46.67 21.49 7.001 sq.m 1.893 2.54 11.22 4.808 11 kg 14,714 0.44 0.16 6.474	/ 11 Concrete,	type 4, for foundation	G		51.95	23.75	19,273	8,811
11 2.54 11.22 4.808 11.22 4.808 11.22 14.714 0.44 0.16 6.474	/ 12 Concrete,	type 5, for leveling			46.67	21.49	7,001	3,224
5/11 [kg 14,714 0.44 0.16 6,474	/ 13 Form, type	5 F2, for Item No. 2.5/11	S		2.54	11.22	4,808	21,239
	/ 14 Reinforcir	ig bars, for Item No. 2.5/11	Kg	14,714	0.44	0.16	6,474	2,354

	BILL OF QUANTILLES FOR PACARGE 1,		SIAGE I.	(27.76)			
Item		Unit	Ouantity	Unit Price (USS)	(OSS)	Amount (US\$)	(SSD)
Š				F.C.	L.C.	F.C.	L.C.
/ 15	Rubber joint filler, t-10 mm	m.ps	316	7.16	6.30	2,263	1,991
	Sub-total Item No. 2.5					181,418	119,102
2.6	Masonry Revetment, type II						ù- a-M •≖
/ 01	_	L.S.		3,030,00	2,470.00	3,030	2,470
7		cu.m	3,248	2.53	1.38	8,217	4,482
/ 03		cu.m	290	0.40	1.30	116	377
/ 04		g.g	27	0.71	1.49	4	88
8		ca.m	398	8.76	4.40	3.486	1,751
8	Cobble/nibble filling	cu.m	171	8.76	4.40	1,551	779
70/	Wet cobble/rubble masoury, type	cu.m	1,494	18.60	14.50	27,788	21.663
88	_	cs.m	1.242	29.00	13.10	36,018	16,270
8	PVC pipe for weep hole, diam, 5	lin.m	354	2.20	0.80	779	283
/ 10		lin.m	1,248	3,90	2.48	4,867	3,095
/ 11	Concrete, type 4, for foundation	cu.m	205	51.95	23.75	10,650	4,869
/ 12	Concrete, type 5, for leveling	Cu.m	8	46.67	21.49	3,967	1,827
/ 13	Form, type F2, for Item No. 2.6/16	sc.n	1.070	2.54	11.22	2,718	12,005
/ 14	Reinforcing bars, for Item No. 2.6/11	<u>양</u>	8,176	0.44	0.16	3,597	1,308
/ 15	S Rubber joint filler, t=10 mm	SQ.m	250	7.16	6.30	1,790	1,575
						(000
	Sub-total Item No. 2.6					108,614	7.859
2.7	Concrete Ditch and Culvert						
/ 01		rs.	p=-{	0.0	0.0	0	0
7 02		cu.m	0	2.53	1.38	0	0
/ 03	3 Rubble bedding	cu.m	0	8.76	4.40	0	o .
৪		sd.m	0	0.71	1.49	0	0
\ S		gr.m	0	0.40	1.30	0	<u> </u>
8	S Gravel filter	ca.m	0	8.65	4.47	0	5
68	PVC pipe for weep hole, diam, 50	lin.m	00	2.20	0.80	00	o c
3	S Gabion manness, 3.0x1.3x0,3 m, r v C coaled whe	1117	5	22.00	21.51	5	5

Item Description Description Unit		STAGE I	STAGE 11 (6/12) Ouantity Unit Price	e (US\$)	Amount (US\$)	(USS)
			F.C.	1,0	(년 (건	L.C.
/ 09 Concrete, type 4, for ditch and culvert	cu.m	0	51.95	23.75	ō	0
/ 10 Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	ō
/ 11 Form, type F1, for Item Nos. 2.7/09 and 2.7/10	sq.m	0	1.99	7.0S	0	ō
/ 12 Form, type F2, for Item Nos. 2.7/09 and 2.7/10	sq.m	0	2.54	11.22	0	ō
/ 13 Reinforcing bars, for Item Nos. 2.7/09 and 2.7/10	Kg	0	0.44	0.16	0	ਨ
/ 14 PVC waterstop, W. 200mm	lin.m	0	5.25	2.85	0	ō
/ 15 Joint bar, diam. 25 mm, L-1m	nos.	0	0.56	0.19	0	Ö
/ 16 Bitumen coating	S. III	0	0.70	06.0	0	0
Sub-total of Item No. 2.7		:	. :		0	O
TOTAL OF ITEM NO.2					1,265,567	671,775
DRAINAGE FACILITIES						
/ 01 Coffering and care of water including dewatering	S		2,320.00	1,890.00	2,320	1.890
/ 02 Excavation including trench cut	Cu.m	1,594	2.53	1.38	4,033	2,200
/ 03 Back filling with selected materials	cu.m	453	0.40	1.30	181	685
-	m.ps	53	0.71	1.49	<u>o</u>	19
~	G.H.	135	8.76	4.40	1,183	594
_	cr.m	31	8.76	04.4	272	136
/ 07 Wet cobble/rubble masonry, type 2	cu.m	282	25.90	30.40	7,382	8,664
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cum	164	29.00	13.10	4,756	2,148
/ 09 PVC pipe for weep hole, diam. 50mm	lin.m	22	2.20	0.80	55	20
/ 10 Bitumen coating	sg.m	4	0.70	06.0	m	4
/ 11 Furnishing steel sheet pile, YSPF, W- 400mm	sq.m	247	74.64	8.30	18,436	2,050
/ 12 Driving of steel sheet pile, for Item No. 3.1/11	sq.m	247	10.93	3.82	2,700	944
/ 13 Furnishing RC Piles, 250 mm x 250 mm	lin.m	1,113	6.93	4.17	7.713	4.641
/ 14 Driving of RC piles, for Item No. 3.1/13	sq.m	1,113	7.44	2.40	8,281	2.671
/ 15 Concrete, type 3, for blockout concrete	G B	77	52.68	24.06	738	337
/ 16 Concrete, type 4, for sluiceway structures & reverment	cu.m	273	51.95	23.75	14,182	6,484
/ 17 Concrete, type 5, for leveling	cu.m	42	46.67	21.49	1.960	903

BILL OF QUANITIES FOR PACKAGE 1		SIAGE LE	(21/2)			
Description	Unit	Ouantity	Unit Price (US\$)	(\$SD)	Amount (US\$)	(VS\$)
		,	F.C.	L.C.	F.C.	L.C.
8 Base mortar	cu.m	7.1	42.30	64.30	3,003	4,565
9 Form, type F1, for Item Nos, 3.1/15 and 3.1/16	E S	1.472	1.99	7.08	2,929	10,422
0 Form, type F2, for Item Nos. 3.1/15 and 3.1/16	SQ.m	341	4.53	11.22	1,545	3,826
1 Reinforcing bars, for Item Nos. 3.1/15 and 3.1/16	Kg Rg	32,157	0.44	0.16	14,149	5.145
2 Joint bars, diam. 25mm, L-1m	nos.	2	0.56	0.19	9	7
3 PVC waterstop, W=200mm	lin.m	01	5.25	2.85	53	62
4 Rubber joint filler, t= 10 mm	m.ps	22	7.16	6.30	158	139
5 Steel slide gate including hoist, guide frame, accessories and spare	રું	F-1	2,668.00	297.00	2,668	297
parts, W = 0.7 m x H = 0.7 m		:				
6 Steel slide gate including hoist, guide frame, accessories and spare	ŞĞ	m	3,068.00	341.00	9,204	1.023
parts, W=0.8 m x H = 0.8 m						
7 Steel slide gate including hoist, guide frame, accessories and spare	set	0	3,149.00	350.00	0	0
parts, W= 0.9 m x H = 0.9 m						
8 Steel slide gate including hoist, guide frame, accessories and spare	še	60	3,413.00	380.00	10,239	1.18
parts, W= 1.0 m x H = 1.0 m						
9 Steel slide gate including hoist, guide frame, accessories and spare	set	en.	3,705.00	412.00	11,115	1,236
parts, W=1.1 m x H=1.1 m						
O Steel slide gate including hoist, guide frame, accessories and spare	set	7	3.975.00	442.00	7,950	884
parts, W= 1.2 m x H=1.2 m						
1 Steel slide gate including hoist, guide frame, accessories and spare	छ	e-4	4,375.00	487.00	4,375	487
parts, W= 1.3 m x H = 1.3 m						
2 Steel slide gate including hoist, guide frame, accessories and spare	벓	3-4	4.580.00	209.00	4,580	2000
parts. W= 1.5 m x H = 1.3 m			-			(
3 Steel flap gate including guide frame, accessories and spare parts,	Set	0	461.00	52.00	O .	0
W=0,4m×H=0,4m		:	- 1 -			
4 Timber stoplog, W = 0.4 m x H = 0.4 m	set	0	8.00	48.00	0	<u></u>
	Set	, -	146.00	146.00	146	146
6 Timber stoplog, W = 0.8 m x H = 0.8 m	še	<u>-</u> -	191.00	191.00	191	161
77 Timber stoplog, W = 0.9 m x H = 0.9 m	še	0	242.00	242.00	0	0
	Set		298.00	298.00	298	298
1.1	જુ	 -	361.00	361.00	361	361
40 Timber stoplog, W = 1.2 m x H = 1.2 m	Set	, —4	429.00	429.00	429	429

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	BILL OF QUANTITIES FOR PACKAGE 1,		STAGE II	I (8/12)		# 1982] 1	
Item	Õ		Ouantity		(SSD)	Amount (US\$)	(SSA
Š		:		F.C.		F.C.	L.C.
/ 41	Timber stoplog. W = 1.3 m x H = 1.3 m	¥		504.00	504.00	504	504
/ 42	Timber stoplog, W = 1.5m x H	झ		581.00	581.00	581	581
/ 43		Set	7	115.00	13.00	230	58
	Subtrate of them No. 3.1					148,918	66,534
	לפטרילימו עו הייני און איני איז						
3.2	Connection Canal / Cross Drain						
0 /	_	S	P4	1,070.00	870.00	1,070	870
7	Trench excavation	cu.m	883	3.28	1.89	2.896	1.669
3		cu.m	172	0.40	1.30	69	224
707	Geo-textile, t= 1.5 mm	SG.R	0	0.71	1.49	0	0
7.05		cu.m	145	8.76	4.40	1.270	638
8	Concrete, type 4, for slab, strut and facing concrete of wet rubble	C.m.	0	51.95	23.75	0	0
	wasonry V and the second of th		:		<u> </u>		•
6/		Cu.m	0	46.67	21.49	0	O •
8		Sq.m	0	2.54	8.75	0	0
8		정	0	4.0	0.16	0	0
7.10		Sq.m	0	7.16	6.30	0	0
/ 11	Precast concrete culvert, 400x 400mm	lin.m	4	25.40	12.20	102	\$
/ 12		lin.m	3,557	15.90	8.20	56.556	29,167
/ 13	Precast concrete side ditch, L-type, 300x300mm	lin.m	0	7.50	3.90	0	0
							. 6
	Sub-total of Item No. 3.2			:		01,903	32,017
	TOTA! OF ITEM NO 3				.,	210,881	99,151
				:			
4 ,	BRIDGE AND ROAD			· .		•••	
1,		ن د	-	0000000	0 350 00	23 220	088.8
3 8	Correcting and care of water including dewatering Demolishing handing and disposing concrete structures	. E	104	3.81	3.51	396	365
8 /		ca.m	196	3.23	2.47	633	484
	Sub-total of Item No. 4.1	i . *				24,349	9,199

BILL OF QUANTITIES FOR PACKAGE 1,	冠 1,	STAGE II	(9/12)			
Item Description	Unit	Ouantity	Unit Price	e (US\$)	Amount (USS)	USS)
			F.C.	L.C.	F.C.	L.C.
Foundation and Substructure				(~
/ 01 Furnishing and driving test PC pile, 350 mm, A type, L- 10 m	nos.	0	299.00	124.00	0	o g
/ 02 Furnishing and driving test PC pile, 350 mm, A type. L- 11 m	nos	(n	313.00	130.00	939	<u>8</u>
Furnishing and driving test PC pile,	nos.	7	328.00	136.00	929	272
Furnishing and driving test PC pile, 350 mm, A	nos.	0	342.00	142.00	0	0
/ 05 Furnishing and driving test PC pile, 350 mm, A type, L-14 m	nos.	7	358.00	148.00	358	148
Furnishing and driving test PC pile.	nos	0	372.00	155.00	0	<u>ਨ</u> ੰ
Furnishing and driving test PC pile, 350 mm, A	nos.	<u> </u>	415.00	173.00	0	ō¯
	nos.	0	485.00	203.00	o O	0
	nos.	0	140.00	90:00	0	0
Driving PC piles, for Item No. 4	lin.m	0	8.30	4.38	0	Ö
	nos.	25	155.00	00.99	3,875	1,650
	lin.m	216	7.55	3.98	1,631	860
/ 13 Furnishing PC pile, 350 mm, A type, L- 12 m	nos.	18	169.00	72.00	3,042	1,296
	lin.m	180	10,38	4.87	1.868	877
	nos.	0	183.00	78.00	0	0
	lin.m	0	9.59	4.50	0	0
	nos.	15	197.00	84.00	2,955	1,260
	lin.m	180	8:90	4.17	1,602	751
/ 19 Fumishing PC pile, 350 mm, A type, L= 15 m	nos.	0	211.00	8.8	0	Ō,
	lin.m	0	8.31	8.8	O	0
	nos	0	254.00	109:00	0	O .
Driving PC piles, for Item No. 4	lin.m	Ó	6.92	3.25	0	Ö
/ 23 Furnishing PC pile, 350 mm, B type, L-12 m	nos.	0	209.00	8.8	0	O ·
	lin.m	0	10.38	4.87	0	0
	nos.	0	227.00	8.78	0	0
,	lin.m	0	9.59	4.50	0	0
/ 27 Furnishing PC pile, 350 mm, B type, L= 18 m	nos.	0	315.00	135.00	0	
/ 28 Driving PC piles, for Item No. 4.2/27	lin.m	0	6.92	3.25	0	Ō
/ 29 Furnishing PC pile, 400 mm, B type, L= 11 m	nos	8	252.00	108.00	2,016	864
/ 30 Driving PC piles, for Item No. 4.2/29	lin.m	8	7.55	3.99	453	239
/ 31 Furnishing PC pile, 400 mm, B type, L- 12 m	nos.	20	276.00	118.00	5,520	2,360

Item Description Description		STAGE 11	(10/12) Unit Price (USS)	(\$\$(1))	Amount (USS)	(\$81)
	j >		L).H	LC	F.C.	L.C.
/ 32 Driving PC piles, for Item No. 4.2/31	lin.m	170	10.39	4.88	1,766	830
	nos.	24	322.00	138.00	7,728	3,312
	lin.m	252	8.90	4.18	2,243	1,053
	cu.m	168	53.78	24.54	9,035	4,123
Concrete, type 5, for leveling, t =	G.m	∞	79.94	21.49	373	172
	sq.m	332	1.99	7.08	661	2,351
	kg	17.210	0.44	0.16	7.572	2.754
						0)3 30
Sub-total of Item No. 4.2					24,275	700.07
4.3 Superstructure	-			·		
	χ	0	459.00	210.00	0	<u>ਨ</u>
	. K	0	591.00	267.00	ō	0
Furnish and erection of PC girgder.H-450mm.	~ ~	38	747.00	335.00	13,446	6.030
Furnish and erection of PC girgder, H-450mm, I	<u>ج</u>	0	842.00	376.00	0	0
Furnish and erection of PC girgder, H=500mm, I	8	36	1,071.00	466.00	38,556	16.776
/ 06 Furnish and erection of PC girgder, H=500mm, L=14.15m, BM-70	ž	₩	1,131.00	492.00	54.288	23,616
્⊶	×.	0	1,305.00	268.00	0	Ō
/ 08 Furnish and erection of PC girgder, H-500mm, L-12.9m, BM-100	8	81	1,037.00	452.00	18,666	8,136
/ 09 Furnish and erection of PC girgder, H-350mm, L-7.3m, Pedestrian	8	0	404.00	186.00	0	ō
/ 10 Furnish and erection of PC girgder, H=350mm, L=8.4m, Pedestrian	8	0	462.00	211.00	0	ō
/ 11 Fumish and erection of PC girgder, H=450mm, L=13.1m, Pedestrian	2 2	6	948.00	413.00	8.532	3,717
/ 12 PC tendon and ancillary materials	lin.m	2,180	4.26	1.8	9.287	2,180
/ 13 Concrete, type 2, for lateral girder, side wall and in-situ slab	Gu.m	189	53.78	24.54	10,164	4,638
/ 14 Concrete, type 4, for side walk	Ca.m	4	51.95	23.75	2,130	974
/ 15 Form, type F1, for Item Nos. 4.3/13 and 4.3/14	S. E. E.	888	3.86	8.86	3,432	7.877
/ 16 Reinforcing bars, for Item Nos. 4.3/13 and 4.3/14	χ. Ω	5,769	0.44	0.16	2,538	923
/ 17 Curb stone	lin m	188	10.60	5.10	1,993	959
/ 18 Rubber bearing pad, t=33mm, W=150mm	lin.m	192.3	217.00	25.70	41,729	4.942
/ 19 Non-shrink mortar with grid bars, for shoe base	H	2,290.0	1.84	1.27	4,214	2,908
/ 20 Anchoring in fixed bearing shoe	nos.	110	12.02	6.48	1,322	713
/ 21 Anchoring in movable bearing shoe	nos.	110	10.60	6.31	1,166	694

		STAGE II	\forall	(TICE)	A mount	(J. 100)
Item	Cart	Quantity	Unit Price (USS)	e (USS)	Amount (USS)	(0.8%)
No.			F.C.	L.C.	F.C.	L.C.
22 Guard pipe for Road bridge, H=0.4m	lin.m	258.9	41.40	11.30	10,718	2.926
3 Guard pipe for pedestrian bridge, H-1.0m	lin.m	218.7	174.00	27.00	38,054	5,905
24 Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos	36	4.72	2.14	170	77
	nos.	0	4.15	2.08	0	ō
26 Drain pipe, D-75mm, L-40cm	nos.	24	2.37	1.62	57	39
27 Expansion joint, for road bridge	lin.m	104.8	306.00	42.00	32,069	4,402
28 Expansion joint, for pedestrian and in-situ slab bridges	lin.m	30.0	342.00	46.00	10,260	1,380
29 Asphalt pavement	ca.m	88	71.10	48.60	6,044	4.131
Sub-total of Item No. 4.3					308,835	103.943
Approach Road						
01 Removal of existing asphalt/base pavement	S. H.	3,591	3.23	2.47	11,599	8,870
02 Excavation	cu.m	394	2.53	1.38	166	44
03 Back filling	ca.m	352	0.40	1.30	141	458
04 Wet rubble/cobble masonry for slope protection	m.uo	0	18.60	14.50	0	Ö
05 Concrete, type 3, for approach step	cu.m	21	52.68	24.06	1,106	505
06 Concrete, type 4, for side wall	ជ.ភ	378	51.95	23.75	19,637	8.978
07 Concrete, type 5, for foundation concrete	cu.m	120	46.57	21.49	2.600	2,579
08 Form, type F1, for Item Nos. 4.4/05 and 4.4/06	SQ.m	2,096	1.99	7.08	4,171	14,840
•	sq.m	249	2.54	8.75	632	2,179
10 Reinforcing bars, for Item Nos. 4,4/05 and 4,4/06	Ř	2,880	0. 4	0.16	1,267	461
Precast concrete drain block, type 5a	nos.	1.070	6.40	3.40	6,848	3.638
Precast concrete side ditch, $300 \times 300 \mathrm{mm}$	lin.m	8	12.20	6.40	11,017	5.779
Embankment and sub-grade	cu.m	821	3.53	2.34	3,004	1,991
Sub-base course	ca.m	613	6.30	2.80	3,862	1,716
Base course	cu.m	461	09.6	8.4	4,426	1.844
Asphalt pavement	cu.m	155	71.10	48.60	11,021	7,533
Guardrail, concrete post	lin.m	8	3.09	2.07	185	124
Sub-total of Item No. 4.4			: .		85,513	62,039
TOTAL OF ITEM NO. 4					472,990	200.743
SUMMARY OF AMOUNT						

I

BILL OF QUANTITIES FOR PACKAGE 1, STAGE II (12/12)	田二	STAGE I	I (12/12)			
Item Description	Unit	Quantity	Unit Pri	Jnit Price (US\$)	Amount (US\$)	(USS)
No.			F.C.	L.C.	F.C.	L.C.
No. 0 GENERAL ITEM					246,918	222,739
No. 1 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES					0	349,220
No. 2 DRAINAGE CHANNEL					1,265,567	671,775
No. 3 DRAINAGE FACILITIES				,	210,881	99,151
No. 4 BRIDGE AND ROAD					472,990	200,743
TOTAL OF CONSTRUCTION COST EQUIVALENT TO (USS)					2.196.356 1.5 3.739.984	1,543,628 ,984
	2.3					

6,800.00 4,436 6,800.00 4,436 15,300.00 10,460 2,300.00 814 159,500.00 21,327 7,800.00 11,722 17,120.00 6,309 17,400.00 14,864 880.00 627		BILL OF QUANTITIES FOR PACKAGE 1, STAGE III (1/12)	i	STAGE II	T (1/12)			
GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas Maintenance of existing public coads utilized for construction Waterways, piers and abutments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. 0.407 25,700.00 15,300.00 10,460 Brighaeer's office Furnishing of office funiture required for the temporary Engineer's Furnishing of office Construction, operation, maintenance and subsequent removal of the L.S. 0.407 25,400.00 159,500.00 21,327 6 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15,500.00 7,800.00 11,722 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 14,770.00 17,120.00 6,309 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 14,770.00 17,120.00 6,309 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 14,770.00 17,120.00 6,309 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 14,770.00 17,120.00 17,000.00 15,000.00	Item		Chit	Ouantity	Unit Pric	e (US\$)	Amount	US\$)
Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas Maintenance of existing public roads utilized for construction Purpose, including temporary bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. 0.407 25,700.00 15,300.00 10,460 Funishing of office furniture required for the temporary Engineer's Funishing of office furniture required for the temporary Engineer's Funishing of office furniture required for the temporary Engineer's Fortice of operation, maintenance and subsequent removal of the L.S. 0.407 20,000 159,500.00 21,327 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15,500.00 17,800.00 6,309 Constructor's laboratory including provision of necessary testing constructor's peration, maintenance and subsequent removal of the L.S. 0.407 17,100.00 17,120.00 6,309 Constructory operation, maintenance and subsequent removal of the L.S. 0.407 14,770.00 17,120.00 6,309 Contractor's laboratory including drainage and sewage system including drainage and sewage system including drainage and sewage system including value of the removal of the L.S. 0.407 14,770.00 17,120.00 6,011 L.S. 0.407 36,520.00 16,030.00 17,400.00 14,864 L.S. 0.407 36,520.00 17,400.00 17,400.00 14,864 L.S. 0.407 14,770.00 17,120.00 14,864 L.S. 0.407 14,700.00 17,400.00 17,400.00 14,864 L.S. 0.407 14,700.00 17,400.00 14,864 L.S. 0.407 14,7	No.			,	F.C.	L.C.	F.C.	L.C.
construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. 0.407 25.700.00 15.300.00 10.460 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 25.0000 2.300.00 21.327 6 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15.500.00 159.500.00 21.327 6 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15.500.00 17.800.00 6.309 Construction, operation, maintenance and subsequent removal of the L.S. 0.407 17.120.00 17.120.00 6.201 Listallation, operation, maintenance and subsequent removal of L.S. 0.407 17.120.00 17.000 17.000.00 17.		GENERAL ITEM						
Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads. Waterways, piers and abuttments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. 0.407 2.000.00 2.300.00 814 Funishing of office furniture required for the temporary Engineer's office. Construction, operation, maintenance and subsequent removal of the L.S. 0.407 22.400.00 159,500.00 21,327 Contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15,500.00 7,800.00 6,309 Contractor's laboratory, including provision of necessary testing instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with flucker maintenance and subsequent removal of temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation of operation, maintenance and subsequent removal of temporary electr	0.7		L.S.	0.407	10,900.00	6,800.00	4,436	2,768
Construction, operation, maintenance and subsequent removal of the L.S. 0.407 0.00 62.400.00 2 Engineer's office furniture required for the temporary Engineer's P.S. 0.407 2.000.00 2.300.00 21.327 6 Contractor's temporary buildings and facilities, including offices, suff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15.500.00 7.800.00 6.309 Contractor's laboratory, including provision of necessary testing instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with L.S. 0.407 28.800.00 11,722 divine framporary water supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electronmunication system connecting with office, work shops and construction sites Provision of temporary electronmunication system connecting with office, work shops and construction sites	700		L.S.	0.407	25.700.00	15,300.00	10,460	6,227
Funishing of office furniture required for the temporary Engineer's Office furnishing of office furniture required for the temporary Engineer's Office furnishing of office furniture required for the temporary Engineer's Office furniture required for the temporary Engineer's Office furniture required for the temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land Contractor's temporary buildings and facilities, including offices, and rental fee of land Contractor's temporary buildings and facilities, including provision of necessary testing instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with lastallation, operation, maintenance and subsequent removal of temporary water supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, m	/ 03		L.S.	0.407	0.00		0	25.397
Construction, operation, maintenance and subsequent removal of the L.S. 0.407 52,400.00 159,500.00 21,327 6 Contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses. Work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15,500.00 7,800.00 6,309 Contractor's laboratory, including provision of necessary testing instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with L.S. 0.407 28,800.00 17,120.00 11,722 driver. Installation, operation, maintenance and subsequent removal of L.S. 0.407 90,950.00 17,400.00 14,864 temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system connecting with office, work shops and construction sites Boreholes and exploratory excavation P.S. 0.407 1,400.00 17,400.00 14,864 temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system Installation, operation, maintenance and subsequent removal of temporary telecommunication system Installation, operation, maintenance and subsequent removal of temporary telecommunication system Installation, operation, maintenance and subsequent removal of properation,	8		P.S.	0.407	2,000.00	2,300.00	814	936
work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the L.S. Contractor's laboratory, including provision of necessary testing instruments and arparatus Provision of first aid kit boxes in all sites and an ambulance with L.S. Contractor's laboratory, including provision of necessary testing instruments and arparatus Provision of first aid kit boxes in all sites and an ambulance with L.S. Co.407 Co.407 Co.407 Co.200.00 Co.200.0	/ 05	100	L.S.	0.407	52,400.00	159,500.00	21,327	64,917
Construction, operation, maintenance and subsequent removal of the L.S. 0.407 15.500.00 7,800.00 6,309 Contractor's laboratory, including provision of necessary testing instruments and aronaratus Provision of first aid kit boxes in all sites and an ambulance with driver Installation, operation, maintenance and subsequent removal of temporary vater supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation P.S. 0.407 1,540.00 17,400.00 14,864 15.540.00 15.540.		work shops, guard house, fence, and rental fee of land						
instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with linear and subsequent removal of tinestallation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation Boreholes and exploratory excavation O.407 O.4	8		L.S.	0.407	15,500.00	7,800.00	6.309	3,175
driver Installation, operation, maintenance and subsequent removal of systems Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation O.407 O.40	/ 07		L.S.	0.407	28,800.00	20,200.00	11,722	8,221
temporary water supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Example 20,950.00 16,030.00 37,017 Example 36,520.00 17,400.00 14,864 Example 36,520.00 17,400.00 14,864 For an exploratory excavation sites Example 36,520.00 17,400.00 14,864 For an exploratory excavation sites	80 /		L.S.	0.407	14,770.00	17.120.00	6,011	8963
Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation Systems 1.5. 0.407 36.520.00 17,400.00 14,864 temporary telecommunication system connecting with office, work shops and construction sites		temporary water supply system including drainage and sewage						
Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation (P.S. 0.407 1,540.00 880.00 627)	8		L.S.	0.407	90,950.00	16,030.00	37,017	6.524
temporary telecommunication system connecting with office, work shops and construction sites Boreholes and exploratory excavation 1,540,00 880.00 627	,		Č	200	00 003 30	2, 50	770 /	100
shops and construction sites Boreholes and exploratory excavation P.S. 0.407 1,540.00 880.00	2	temporary telecommunication sy	3	}	20.02	22.) •	700.7
	11		P.S.	0.407	1,540.00	880.00	627	359

BILL OF QUANTITIES FOR PACKAGE 1. STAGE III (2/12)	7	STAGE I	(2/12)	٠.		
1.2	Unit	Unit Quantity	Unit Price (USS)	e (US\$)	Amount (US\$)	(US\$)
No.			F.C.	L.C.	F.C.	L.C.
/ 12 All risk insurance of works for permanent and temporary facilities.	rs.	0.407	10,600.00	7,200.00	4,314	2,930
and insurance for third parties / 13 Provision of safety equipment and instruments for laborers, and	L.S.	0.407	10,000.00	5,000.00	4.070	2,035
installation, maintenance and subsequent removal of safety instruments and sign boards / 14 Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0,407	3,670.00	980.00	1,492	398
/ 15 Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.407	53,760.00	15,840.00	21,864	6,442
/ 16 Topographic survey / 17 Site clearance in acquired areas with houses and other buildings	7. S.	0.407	62,000.00	66,500.00	25.203	27.032
TOTAL OF ITEM NO.0 ·					220,869	202,312
1 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES / 01 Public utilities subject to relocation/reconstruction for electricity facilities	ري. دي.	-	8	206.700.00	•	206.700
/ 02 Public utilities subject to relocation/reconstruction for water	P.S.	- -4	0.0	0.00	0	0
supply/manage racinities / 03 Public utilities subject to relocation/reconstruction for communication facilities	P.S.	yeal	0.0	4,410.00	0	4,410
TOTAL OF ITEM NO.1			:		0	211,110

	BILL OF COMMITTES FOR FROMME 1;		SIMME II.	11 (3/14/			
Item	Description	Cnit	Quantity	Unit Pri	Unit Price (USS)	Amount (US\$)	(US\$)
No.	The second of th			F.C.	T.C.	F.C.	L.C.
2	DRAINAGE CHANNEL					T-AMPLIANCE.	
2.1	Dramage Channel						
/01		ca.m	55,998	2.53		141,675	77.277
/ 02	Demolishing, hauling and disposing concrete structures	ca.m	8	3.81	3.51	76	70
/ 03	Demolishing, hauling and disposing asphalymasonry structures	ca.m	2.826	3.23		9,128	6.980
	Sub-total of Iram No. 2 1					150.070	100 FO
						10000	175.40
2.2	Levee and Inspection/Relocation Road						
707	Coffering and care of water including dewatering	L.S.		0.0		0	0
7 02	Stripping, grubbing and clearing	sg.m	10,495	0.86	0.47	9.026	4,933
/ 03	Excavation	cu.m	1,966	2.53		4,974	2,713
2	Embankment	g.m	7.855	3.53		27.728	18.381
8	Filling-up by random material	cu.m	58	0:30	÷	∞	29
8/	Geo-textile, t-1.5mm	so.m	657	0.71		466	979
/0/		sq.m	2,959	0.02		59	4,231
80/	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	ca.m	495	29.00		14,355	6,485
& 	Sub-base course	ca.m	1,827	6.30	2.80	11,510	5,116
01 /	Base course	cu.m	1,371	9.60	8.4	13,162	5,484
7.11	Asphalt pavement	sq.m	9,125	3.60	2.40	32,850	21,900
	Sub-total of Item No. 2.2	: .				114,138	70,251
7.7	Concrete rarapet wall						
0/	Excavation for footing of parapet wall	cu.m	0	2.53	:	0	Ō
7 22	Back filling with selected material	cu.m	0	0.40	1.30	0	0
\ \ \		Ca.m	0	29.00	13.10	0	0
7	Furnishing steel sheet pile, YSPF	sq.m	0	74.64	÷	0	0
\ \ \		sg.m	0	10.93		0	0
8	Furnishing RC piles, 250 x 250 r	lin.m	0	6.93		0	0
6/	Driving RC piles, for Item No. 2.3/06	lin.m	٥	7.44	2.40	0	0

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BILL OF QUANTITIES FOR PACKAGE 1.		STAGE III	I (4/12)			
	1.∺	Quantity	Unit Price (US\$)	(SSD)	Amount (USS)	USS)
		,	F.C.	L.C.	F.C.	L.C.
/ 08 Concrete, type 4, for footing and wall	cu.m	0	51.95	23.75	0	0
/ 09 Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	0
/ 10 Form, type F1, for Item No. 2.3/08	sd.m	0	<u>8</u> .	7.08	0	<u></u>
/ 11 Form, type F2, for Item No. 2.3/08	sd.m	0	2.54	11.22	0	0
/ 12 Reinforcing bars, for Item No. 2.3/08	Kg	0	0.44	0.16	0	0
/ 13 PVC waterstop, W=200 mm	lin.m	ō	5.25	2.85	0	0
/ 14 Rubber joint filler, t=10 mm	sc.m	0	7.16	6.30	0	ō
/ 15 Bituminous coating	sd.m	0	0.70	0.00	0	Ö
/ 16 Furnishing and installing trap	X X	0	0.57	0.35	0	0
Sub-total of Item No. 2.3					0	0
						Marie e a
2.4 Heightening of Existing Masonry Revetment / Oi Wet cohhle/nibble masonry, type 1	Gr. ED	88	18.60	14.50	1,637	1,276
	:					
Sub-total Item No. 2.4	.:				1,637	1,276
	-) well-to-
2.5 Masonry Revetment, Type I	· · ·		- 1		1	
/ 01 Coffering and care of water including dewatering	L.S.	-	7,480.00	6.090.00	7.480	0.090
/ 02 Excavation	ca.m	8,884	2.53	1.38	22,477	12,260
/ 03 Back filling	carm	730	0.40	1.30	292	949
/ 04 Geo-textile, t=1.5 mm	sq.m	18	0.71	1.49	75	158
/ 05 Gravel bedding	ca.m	1,073	8.76	4.40	665.6	4.721
/ 06 Cobbie/rubble filling	cu.m	428	8.76	64.4	3,749	1.883
/ 07 Wet cobble/rubble masonry, type 1	cu.m	2,140	18.60	14.50	39,804	31,030
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	3,006	29.00	13.10	87,174	39,379
/ 09 PVC pipe for weep hole, diam. 50 mm	lin.m		2.20	0.80	1,456	230
/ 10 Furnishing and driving wooden piles, diam. 15-18cm	Lin.m	<u></u>	3.90	2.48	11,794	7.500
/ 11 Concrete, type 4, for foundation	CO.TH	205	51.95	23.75	26,079	11.923
/ 12 Concrete, type 5, for leveling	cu.m	197	46.67	21.49	9,194	4,234
/ 13 Form, type F2, for Item No. 2.5/11	8 8	2,527	2.54	11.22	6,419	28,353
/ 14 Reinforcing bars, for Item No. 2.5/11	Kg	20,022	0.44	0.16	8,810	3,204

BILL OF QUANTITIES FOR PACKAGE 1,		STAGE III	(1 (5/12)			
Item Description	Unit	Quantity	Unit Price (US\$)	(\$SD)	Amount (US\$)	(\$\$D)
			F.C.	L.C.	F.C.	L.C.
/ 15 Rubber joint filler, t=10 mm	m.ps	362	7.16	6.30	2,592	2,281
Sub-total Item No. 2.5					236,794	154,495
2.6 Masonry Revetment, type II						
/ 01 Coffering and care of water including dewatering	r. S	,i	8,730.00	7,110.00	8,730	7,110
/ 02 Excavation	cu.m	9,447	2.53	1.38	23,901	13,037
/ 03 Back filling	cu.m	839	0.40	1.30	336	1.85
/ 04 Geo-textile, t=1.5 mm	sq.m	81	0.71	1.49	8	500
•	cu.m	948	8.76	4 40	8,304	4,171
/ 06 Cobble/rubble filling	g.m	511	8.76	4,40	4,476	2,248
/ 07 Wet cobble/rubble masonry, type 1	cu.m	3,758	18.60	14.50	668.69	54,491
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	ස.ස	3,589	29.00	13.10	104,081	47,016
/ 09 PVC pipe for weep hole, diam. 50 mm	lin.m	877	2.20	0.80	1,929	702
/ 10 Furnishing and driving wooden piles, diam. 15-18cm	lin.m	3,609	3.90	2.48	14.075	8.950
/ 11 Concrete, type 4, for foundation	g.m	297	51.95	23.75	31,014	14,179
/ 12 Concrete, type 5, for leveling	Cu.m	238	46.67	21.49	11,107	5,115
/ 13 Form, type F2, for Item No. 2.6/16	so.m	3,046	2.54	11.22	7.737	34,176
/ 14 Reinforcing bars, for Item No. 2.6/11	Kg Z	23,827	0.44	0.16	10,484	3,812
/ 15 Rubber joint filler, t-10 mm	g.g.	632	7.16	6.30	4,525	3,982
Strict draw No. 2 A			· · · · ·		300 697	200 289
2.7 Concrete Ditch and Culvert						
/ 01 Coffering and care of water including dewatering	LS.	F-4	1,780.00	1.450.00	1,780	1,450
/ 02 Excavation of channel including trench cut	ធភ	2,589	2.53	1.38	6.550	3,573
/ 03 Rubble bedding	cu.m	328	8.76	4.40	2,873	1,443
	sq.m	27	0.71	1.49	19	8
/ 05 Back filling	Cu III	1.189	0.40	1.30	476	1,546
	cu.m	00	8.65	4.47	69	36
PVC pipe for weep hole, diam. 5	lin.m	118	2.20	0.80	260	92
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	664	29.00	13.10	19.256	8,698

1

		*				
BILL OF QUANTITIES FOR PACKAGE	<u>د</u> ر	STAGE III	(6/12)			
Item Description	Unit	Quantity	Unit Price	e (US\$)	Amount (US\$)	(\$SD)
No.			Ή.C.	ر. ن	F.C.	L.C.
/ 09 Concrete, type 4, for ditch and culvert	CH.III	915	51.95	23.75	47,534	21,731
/ 10 Concrete, type 5, for leveling	G.m	142	46.67	21.49	6,627	3,052
/ 11 Form, type F1, for Item Nos. 2.7/09 and 2.7/10	SQ.TI	1.640	1.99	7.08	3,264	11,611
/ 12 Form, type F2, for Item Nos. 2.7/09 and 2.7/10	S. H.	1,225	2.54	11.22	3,112	13,745
/ 13 Reinforcing bars, for Item Nos. 2.7/09 and 2.7/10	¥	54,893	4.0	0.16	24,153	8,783
/ 14 PVC waterstop, W=200mm	lin.m	320	5.25	2.85	1,680	912
/ 15 Joint bar, diam. 25 mm, L-1m	nos.	392	0.56	0.19	220	74
/ 16 Bitumen coating	S.m.	33	0.70	06.0	23	S
Sub-total of Item No. 2.7			:		117,896	76.818
						794 603
IOIAL OF HEM NO.2					7777	004.700
		•				
S DRAINAGE FACILITIES					<u>-</u>	
3.1 Sluiceway						
/ 01 Coffering and care of water including dewatering	L.S.	~	2,490.00	2,030.00	2,490	2,030
/ O2 Excavation including trench cut	Cu.m	668	2.53	1.38	2,274	1,241
/ 03 Back filling with selected materials	CO. TH	161	0.40	1.30	40	209
/ 04 Geo-textile, t=1.5 mm	SQ.TI	2	0.71	1.49	7	13
/ 05 Gravel bedding	Cu.m	22	8.76	4.40	193	76
/ 06 Cobble/rubble filling	Cu.m	01	8.76	4.40	88	4
/ 07 Wet cobbie/rubble masonry, type 2	cn.m	49	25.90	30.40	1,269	1,490
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cr.m	113	29.00	13.10	3.277	1,480
/ 09 PVC pipe for weep hole, diam, 50mm	lin.m	12	2.20	0.80	56	2
/ 10 Bitumen coating	Sq.m	0	0.70	06:0	0	0
/ 11 Furnishing steel sheet pile, YSPF, W= 400mm	Sq.m	107	74.64	8.30	7,986	888
/ 12 Driving of steel sheet pile, for Item No. 3.1/11	Sq.m	107	10.93	3.82	1,170	409
/ 13 Furnishing RC Piles, 250 mm x 250 mm	lin m	290	6.93	4.17	4.089	2,460
/ 14 Driving of RC piles, for Item No. 3.1/13	er. ps	290	7.44	2.40	4.390	1,416
/ 15 Concrete, type 3, for blockout concrete	G.m.	o C	52.68	24.06	527	241
/ 16 Concrete, type 4, for sluiceway structures & revetment	Ca m	5	51.95	23.75	5,403	2,470
/ 17 Concrete, type 5, for leveling	cu.m	15	46.67	21.49	700	322

	BILL OF QUANTITIES FOR PACKAGE 1,		STAGE III				
tem	Description	Unit	Quantity	Unit Price (US\$)	(US\$)	Amount (USS)	USS)
o Z				Ξ.	L.C.	F.C.	L.C.
18	Base mortar	ca.m	13	42.30	64.30	550	836
. 19	Form, type F1, for Item Nos. 3.1/15 and 3.1/16	S. H.	472	1.99	7.08	626	3,342
ន	Form, type F2, for Item Nos. 3.1/15 and 3.1/16	sq.m	133	4.53	11.22	602	1.492
21	Reinforcing bars, for Item Nos. 3.1/15 and 3.1/16	× 20	12,059	0.44	0.16	5.306	1.929
22	Joint bars, diam. 25mm, L-1m	nos.	0	0.56	0.19	0	0
23	PVC waterstop, W-200mm	lin.m	0	5.25	2.85	Ó	0
77	Rubber joint filler, t= 10 mm	sq.m	23	7.16	6.30	165	145
725	Steel slide gate including hoist, guide frame, accessories and spare	še		2,668.00	297.00	0	0
	parts, W=0.7 m x H = 0.7 m		•				
28	Steel slide gate including hoist, guide frame, accessories and spare	Şe	4	3.068.00	341.00	12,272	1,364
	parts; W=0.8 m x H=0.8 m						
7.27	Steel slide gate including hoist, guide frame, accessories and spare	¥	-	3,149.00	350.00	3,149	350
	parts. W-0.9 m x H - 0.9 m						F-M-Nagara
82	Steel slide gate including hoist, guide frame, accessories and spare	š		3,413.00	380.00	3,413	380
."	parts. W- 1.0 m x H - 1.0 m						
739	Steel slide gate including hoist, guide frame, accessories and spare	ij	0	3,705.00	412.00	0	5
٠	parts, W= 1.1 m x H = 1.1 m	:	:				
02/	Steel slide gate including hoist, guide frame, accessories and spare	छ		3,975.00	442.00	0	ਨ
	parts, W= 1.2 m x H = 1.2 m						
/ 31	Steel slide gate including hoist, guide frame, accessories and spare	इ	0	4,375.00	487.00	0	o
	parts. W= 1.3 m x H = 1.3 m		-				A)mprvim
/ 32	Steel slide gate including hoist, guide frame, accessories and spare	સુ	Ö	4,580.00	200.00	0	Õ
:	parts. W- 1.5 m x H - 1.3 m						
/ 33	Steel flap gate including guide frame, accessories and spare parts,	Set	4	461.00	52.00	1.844	208
	W=0.4m×H=0.4m						
/ 34	Timber stoplog, W = 0.4 m x H = 0.4 m	ಜ	 4	88.00	8.00	84	₩
/ 35	Timber stoplog, W = 0.7 m x H = 0.7 m	Se	0	146.00	146.00	0	0
/ 36	Timber stoplog, W = 0.8 m x H = 0.8 m	ಶ್ವ	0	191.00	191.00	0	<u></u>
137	Timber stoplog, W = 0.9 m x H = 0.9 m	ಶ್ವ	· •	242.00	242.00	242	242
/ 38		इ	0	298.00	298.00	0	ō
/ 33		¥	0	361.00	361.00	Ō	0
8	Timber stoplog, $W = 1.2 \text{ m} \times \text{H} = 1.2 \text{ m}$	Set	0	429.00	429.00	ō	ଚ

BILL OF QUANTITIES FOR PACKAGE Description	નીં	STAGE III	II (8/12)	(17SC)	on V	7100)
		Cuantity	F.C.	1.0	F C I COS	(282)
/ 41 Timber stoplog, W = 1.3 m x H = 1.3 m	ž	0	504.00	504.00	ō	
/ 42 Timber stoplog, W = 1.5m x H = 1.3 m	Set		581.00	\$81.00	0	0
/ 43 Maintenance tool for gate, stoplog and hoist	Set	0	115.00	13.00	0	0
Something of the second					0, 0,	
Sectional of fight No. 5.1					02.483	25,158
3.2 Connection Caral / Cross Drain						
/ 01 Coffering and care of water including dewatering	L.S.		710.00	580.00	710	580
	cu.m	1,076	3.28	1.89	3,529	2,034
	Cu.m	230	0.40	1.30	92	299
	sq.m	142	0.71	1.49	101	212
	cu.m	203	8.76	4.40	1.778	893
/ 06 Concrete, type 4, for slab, strut and facing concrete of wet rubble	cu.m	18	51.95	23.75	935	428
				,		
	Co.m	ν,	79.97	21.49	233	107
	m.g	8	2.54	8.75	241	831
	kg	963	0.44	0.16	424	154
/ 10 Rubber joint filler, t = 10 mm	SG.FI	9	7.16	6.30	43	38
	lin.m	42	25.40	12.20	1,067	512
/ 12 Precast concrete side ditch, U-type, 400x400mm	Im m	3.578	15.90	8.20	56,890	29,340
/ 13 Precast concrete side ditch, L-type, 300x300mm	lin.m	825	7.50	3.90	6,188	3.218
Sub-total of Item No. 3.2			-	oler yezy samira	72 721	28,6
						2
TOTAL OF ITEM NO. 3					134,714	63.804
4 BRIDGE AND ROAD 4.1 Care of Biver		PROPERTY Actions of Lagrang				
01	L.S.		61.890.00	22,140,00	61.890	22.140
Demolishing, hauling and disposin	cu.m	198	3.81	3.51	754	569
/ 03 Demolishing, hauling and disposing asphalt/masonry structures	ca.m	929	3.23	2.47	2,022	1,546
Sub-total of Item No. 4.1					64,666	24,381

TOTAL OF CONTRACT OF THE STATE	1		Tier December	(SOLUTION)	(2011) tanom v	(3010
Description		Chamin	OH THE	(000)	יוויייייייייייייייייייייייייייייייייייי	
			F.C.	r. C	F.C.	L.C.
Foundation and Substructure	:				,	
350 mm, A type, L-	nos.		299:00	124.00	299	124
350 mm, A type, L-	nos.		313.00	130.00	313	130
e, 350 mm, A type, L-	nos.	'n	328.00	136.00	1,640	980
e, 350 mm, A type, L-	nos.	7	342.00	142.00	2.394	994
Furnishing and driving test PC pile, 350 mm, A type, L- 14 m	nos	0	358.00	148.00	0	0
350 mm, A type, L-	nos.		372.00	155.00	372	155
350 mm, A type, L-18	nos.	73	415.00	173.00	830	346
e, 350 mm, B	nos.	7	485.00	203.00	970	406
Furnishing PC pile, 350 mm, A type, L- 10 m	nos.	7	140.00	00:09	086	420
Driving PC piles, for Item No. 4.2/09	lin.m	20	8.30	4.38	415	219
Fumishing PC pile, 350 mm, A type, L-11 m	nos.	11	155.00	8.8	1,705	726
Driving PC piles, for Item No. 4.2/11	lin.m	8	7.55	3.98	089	358
Furnishing PC pile, 350 mm, A type, L- 12 m	nos	53	169.00	72.00	8,957	3,816
.2/13	lin.m	521	10.38	4.87	5,408	2,537
Furnishing PC pile, 350 mm, A type, L-13 m	nos.	45	183.00	78.00	8,235	3,510
Driving PC piles, for Item No. 4.2/15	lin.m	488	65.6	4.50	4,680	2.196
Furnishing PC pile, 350 mm, A type, L-14 m	nos.	0	197.00	84.00	Ö	0
Driving PC piles, for Item No. 4.2/17	lin,m	0	8.90	4.17	0	Ö
Furnishing PC pile, 350 mm, A type, L-15 m	nos.	7	211.00	80.00	1.477	630
Driving PC piles, for Item No. 4.2/19	lin.m	85	8.31	3.90	706	332
Furnishing PC pile, 350 mm, A type, L= 18 m	nos.	24	254.00	109:00	960.9	2,616
1.2/21	lìn.m	369	6.92	3.25	2,553	1,199
Furnishing PC pile, 350 mm, B type, L-12 m	nos.	4	209.00	90.00	9,196	3,960
Driving PC piles, for Item No. 4.2/23	lin.m	374	10.38	4.87	3.882	1.821
Furnishing PC pile, 350 mm, B type, L-13 m	nos.	26	227.00	97.00	5.902	2,522
Driving PC piles, for Item No. 4.2/25	in.m.	247	9.59	4.50	2,369	1,112
Furnishing PC pile, 350 mm, B type, L- 18 m	nos.	7	315.00	135.00	1.260	\$40
1.2/27	linm	58	6.92	3.25	401	189
Furnishing PC pile, 400 mm, B type, L-11 m	nos.	0	252.00	108.00	0	O
Driving PC piles, for Item No. 4.2/29	lin.m	0	7.55	3.99	0	o
Furnishing PC pile, 400 mm, B type, L- 12 m	nos.	0	276.00	118.00	ō	0

1 tem Description	Uni	t Ouantity	Unit Price	(CSS)	Amount (USS)	USS)
	<u> </u>		F.C.		F.C.	L.C.
/ 32 Driving PC piles, for Item No. 4.2/31	lin.m	0	10.39	4.88	0	0
/ 33 Furnishing PC pile, 400 mm, B type, L= 14 m	nos.	0	322.00	138.00	0	0
	lin.m	0	8.90	4.18	0	0
_	ca.m	371	53.78	24.54	19,952	9.104
	сг. ш	22	46.67	21.49	1.027	473
	SQ.m	817	1.99	7.08	1,626	5.784
Reinforcing bars, for Item No. 4.	젔	34,941	0.44	0.16	15,374	5,591
				,	1	!
Sub-total of Item No. 4.2	•				109,699	52,490
4.3 Superstructure						
/ 01 Furnish and erection of PC girder, H=400mm, L=7.3m, BM-70	ž	2	459.00	210.00	29.376	13,440
/ 02 Furnish and erection of PC girgder, H=450mm, L=8.4m, BM-70	ς.	120	291.00	267.00	70,920	32,040
	ķ	0	747.00	335.00	0	0
Furnish and erection of PC girgder, H-450mm, I	8	72	842.00	376.00	60,624	27,072
Furnish and erection of PC girgder, H=500mm,	<u>ဗ</u>	0	1,071.00	466.00	0	0
/ 06 Furnish and erection of PC girgder, H. 500mm, L. 14, 15m, BM-70	ž	0	1,131.00	492.00	0	0
/ 07 Furnish and erection of PC girgder, H=550mm, L=14.9m, BM-70	8	0	1,305.00	568.00	0	
/ 08 Furnish and erection of PC girgder, H=500mm, L=12.9m, BM-100		0	1,037.00	452.00	0	0
/ 09 Furnish and erection of PC girgder, H-350mm, L-7.3m, Pedestrian	8	12	404.00	186.00	4.848	2,232
/ 10 Furnish and erection of PC girgder, H=350mm, L=8,4m, Pedestrian	8	9	462.00	211.00	2,772	1.266
/ 11 Furnish and erection of PC girgder, H-450mm, L-13.1m, Pedestrian	ž	0	948.00	413.00	0	0
/ 12 PC tendon and ancillary materials	lin.m	2,708	4.26	8.1	11,536	2,708
/ 13 Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	317	53.78	24.54	17.048	7.779
/ 14 Concrete, type 4, for side walk	ca.m	32	51.95	23.75	1,662	760
/ 15 Form, type F1, for Item Nos. 4.3/13 and 4.3/14	Sc.m	1,722	3.86	8.86	6,647	15,257
/ 16 Reinforcing bars, for Item Nos. 4.3/13 and 4.3/14	χ. Ω	9,606	0.44	0.16	4,227	1,537
/ 17 Curb stone	lin.m	4	10.60	5.10	1,526	734
/ 18 Rubber bearing pad, t=33mm, W=150mm	lin.m	409.0	217.00	25.70	88,753	10,511
/ 19 Non-shrink mortar with grid bars, for shoe base	Ħ	5,240.0	1.84	1.27	9,642	6.655
/ 20 Anchoring in fixed bearing shoe	nos.	234	12.02	6.48	2,813	1,516
/ 21 Anchoring in movable bearing shoe	nos.	234	10.60	6.31	2,480	1,477

	TOTAL TOTAL CONTRACTOR TO CONTRACTOR	,		T.T. in Direct	(TTC:0)	A are A see	(4)01.0
15 15 15 15 15 15 15 15 15 15 15 15 15 1	Description			Unit Price (USA)	(20)	Attionin (034)	(66)
So.				F.C.	۲. ن	F.C.	L.C.
/ 22	Guard pipe for Road bridge, H=0.4m	lin.m	591.2	41.40	11.30	24,476	189'9
/ 23	Guard pipe for pedestrian bridge, H=1.0m	lin.m	92.0	174.00	27.00	16,008	2,484
/ 24	Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	24	4.72	2.14	113	51
/ 25	Drain pipe, D-75mm, L-70cm	nos.	112	4.15	2.08	465	233
/ 26	Drain pipe, D=75mm, L=40cm	nos.	12	2.37	1.62	28	10
127	Expansion joint, for road bridge	lin.m	296.5	306.00	42.00	90,729	12,453
/ 28	Expansion joint, for pedestrian and in-situ slab bridges	lin.m	22.5	342.00	46.00	7,695	1,035
/ 29	Asphalt pavement	cu.m	127	71.10	48.60	9,030	6.172
	Sub-total of Item No. 4.3			:		463,418	154,112
4.4	Approach Road			:			
/ 01	Removal of existing asphalt/base pavement	Sq.m	11,437	3.23	2.47	36,942	28.249
7 02	Excavation	c m	2,583	2.53	1.38	6,535	3,565
/ 03	Back filling	ca.m	1.858	0.40	1.30	743	2,415
70/	Wet rubble/cobble masonry for slope protection	cu.m	0	18.60	14.50	ō	0
/ 85	Concrete, type 3, for approach step	ය.ස	31	52.68	24.06	1,633	746
<u>8</u>	Concrete, type 4, for side wall	G.m	2,321	51.95	23.75	120,576	55,124
/ 02	Concrete, type 5, for foundation concrete	cu.m	871	46.67	21.49	40,650	18,718
80 /	Form, type F1, for Item Nos. 4.4/05 and 4.4/06	SQ.m	12,139	1.99	7.08	24,157	85.944
8	Form, type F2, for Item Nos. 4.4/05 to 4.4/07	sq.m	2,252	2.54	8.75	5,720	19,705
/ 10	Reinforcing bars, for Item Nos. 4.4/05 and 4.4/06	ñ	2,840	4	0.16	1,250	454
11	Precast concrete drain block, type 5a	nos.	2,270	6.40	3.40	14,528	7,718
/ 12	Precast concrete side ditch, 300 x 300 mm	lin.m	5,872	12.20	6.40	71.638	37.581
/ 13	Embankment and sub-grade	ය. _m	4,035	3.53	2.34	14.244	9.442
/ 14	Sub-base course	ca.m	1,987	6.30	2.80	12,518	5,564
/ 15	Base course	ca.m	1,492	09.6	4.00	14,323	5,968
/ 16	Asphalt pavement	Cu.m	502	71.10	48.60	35.692	24,397
/ 17	Guardrail, concrete post	lin.m	86	3.09	2.07	303	203
						()	i i
Walterso- zo	Sub-total of Item No. 4.4			• .		401.432	305./93
	TOTAL OF ITEM NO. 4					1,039,235	536.776
SU	SUMMARY OF AMOUNT						
) }		•	•	-	•		•

Item Description Unit Price	init.	Ouantity	Unit Pric	Unit Price (USS)	Amount (US\$)	(\$\$(1)
			F.C.	L.C.	F.C.	LC.
No. 0 GENERAL ITEM					220,869	202,312
No. 1 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES					0	211.110
No. 2 DRAINAGE CHANNEL					922,041	587,456
No. 3 DRAINAGE FACILITIES					134,714	63,804
No. 4 BRIDGE AND ROAD					1,039,235	536,776
TOTAL OF CONSTRUCTION COST EQUIVALENT TO (USS)				· · · · · · · · · · · · · · · · · · ·	2,316,859 1,0	1,601,458
			•			: :

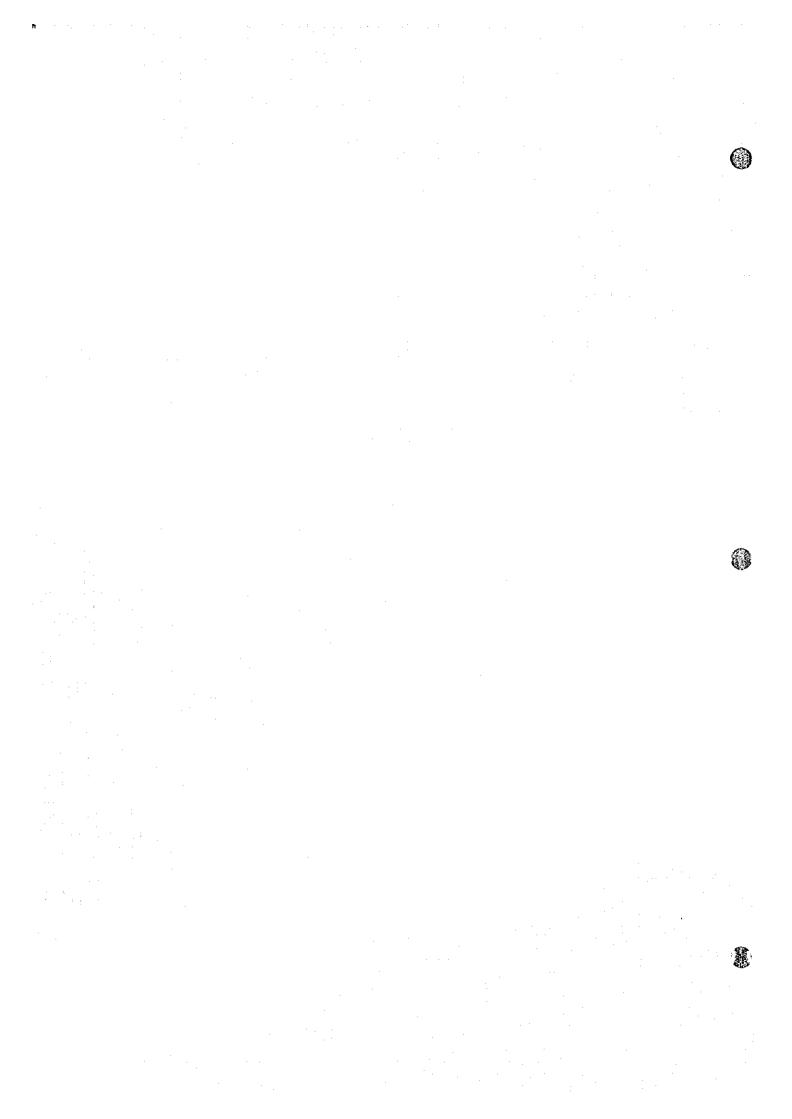
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APPENDIX 8-2

Priced Bill of Quantities for

1

Package-2



III. OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (1/9)

Irem	Description	Unit	Ouantity	Unit Price (US\$)	(NSS)	Amount (USS)	(USS)
No.			,	F.C.	L.C.	F.C.	L.C.
0 / 01	GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas	L.S.	0.941	3.600.00	2,300.00	3,388	2,164
78		L.S.	0.941	5,100.00	3,100.00	4,799	2.917
/33		L.S.	0.941	0.0	35,100.00	0	33,029
8	Engineer's office furniture required for the temporary Engineer's	P.S.	0.941	2,000,00	2.300.00	1.882	2,164
50/	office Construction, operation, maintenance and subsequent removal of the Contractor's temporary buildings and facilities, including offices.	L.S.	0.941	48,200.00	48,200.00 146,700.00	45,356	138,045
· · · · · · · · · · · · · · · · · · ·	staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land			-	-		
8	Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing	L.S.	0.941	7,800.00	3,900.00	7,340	3,670
/ 02	instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with	L.S.	0.941	16.200.00	11,300.00	15.244	10,633
80 /	driver Installation, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage	L.S.	0.941	6.520.00	7,200.00	6,135	6,775
8		L.S.	0.941	33,530.00	5,910.00	31,552	5,561
/ 10	temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work	L.S.	0.941	20,790.00	10,540.00	19,563	9,918
[-	shops and construction sites Boreholes and exploratory excavation	P.S.	0.941	\$10.00	290.00	480	273

BILL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (2/9)

Unit Quantity Unit Price (USS) Amount (USS)							
All risk insurance of works for permanent and temporary facilities. L.S. 0.941 5,500.00 3,200.00 5,176 and insurance of works for permanent and temporary facilities. Provision of safety equipment and instruments for laborers, and instruments and sign boards Furnishing of survey equipment for the Engineer's use and subsequent temoval of safety instruments and sign boards Furnishing operation and maintenance of transportation equipment Furnishing operation and maintenance of transportation for communication Furnishing operation TOTAL OF ITEM NO.0 FRELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for communication Furnishing of survey Furnishing of survey Furnishing of survey TOTAL OF ITEM NO.1 FURNISHED OF ITEM NO.1		Unit	Quantity	Unit Pric	e (US\$)	Amount	(USS)
All risk insurance of works for permanent and temporary facilities, L.S. 0.941 5.500.00 3.200.00 5.176 And insurance of works for permanent and temporary facilities, L.S. 0.941 5.000.00 2.500.00 4.704 Provision of safety equipment and instruments for laborers, and instruments and size boards Furnishing of survey equipment for the Engineer's use and subsequent temoval of safety Instruments and size boards Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer Furnishing of survey equipment for the Engineer Furnishing of survey Topographic survey Site clearance in acquired areas with houses and other buildings Site clearance in acquired areas with houses and other buildings Furnishing of survey TOTAL OF ITEM NO.0 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for communication Public utilities subject to relocation/reconstruction for other facilities Public utilities of the forth for the facilities ACO OF AZO OF AZO OF OF AZO OF				F.C.	L.C.	F.C.	L.C.
Provision of safety equipment and instruments for laborens, and instruments for laborens, and instruments and subsequent removal of safety instruments and size boards Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer's use and subsequent hand over			0.941	5,500.00	3,200.00	5,176	3,011
Instruments and sign boards Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer's use and subsequent hand over it to the Engineer Furnishing, operation and maintenance of transportation equipment Furnishing, operation and maintenance of transportation of transportation equipment Furnishing, operation and maintenance of transportation of transportation of the Engineer Furnishing, operation and maintenance of transportation of transportation of the Engineer Furnishing, operation and maintenance of transportation of the Engineer Furnishing, operation and maintenance of transportation of the Engineer Furnishing, operation and maintenance of transportation of the Engineer Furnishing, operation and maintenance of transportation of the Engineer Furnishing, operation and maintenance and other facilities Furnishing, operation and maintenance of transportation of the Engineer Furnishing, operation and maintenance of transportation of the Engineer Furnishing and support to the Engineer Furnishing and supp	Provision of safety equipment and	L.S.	0.941	5,000.00	2,500.00	4.704	2,352
Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer Topographic survey Site clearance in acquired areas with houses and other buildings TOTAL OF ITEM NO.0 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for communication P.S. 0.941 19,700.00 21,100.00 18,538 TOTAL OF ITEM NO.0 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for communication Public utilities subject to relocation/reconstruction for other facilities TOTAL OF ITEM NO.1 P.S. 1 0.00 420.00 0 1,500.00 1 1,500.00 1 100 1		L.S.	0.941	3,670.00	00.086	3,453	922
Topographic survey Site clearance in acquired areas with houses and other buildings sq.m 99,926 0.941 19,700.00 21,100.00 18,538 TOTAL OF ITEM NO.0 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for communication P.S. 1 0.00 116,100.00 0 1 facilities Public utilities subject to relocation/reconstruction for other facilities TOTAL OF ITEM NO.1			0.941	53,760.00	15.840.00	50,588	14,905
TOTAL OF THEM NO.0 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for electricity facilities Public utilities subject to relocation/reconstruction for communication P.S. 1 0.00 420.00 0 116.100.00 116.100.00 116.100.00 116.100.00 116.100.00 116.100.00 1170TAL OF ITEM NO.1	/ 16 Topographic survey / 17 Site clearance in acquired areas with houses and other buildings	P.S.	0.941	19,700.00	21,100.00	18,538	19,855
RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES Public utilities subject to relocation/reconstruction for electricity facilities Public utilities subject to relocation/reconstruction for communication P.S. 1 0.00 420.00 0 1.500.00 Public utilities subject to relocation/reconstruction for other facilities Public utilities for other facilities facilities Public utilities facilities facilitie	TOTAL OF ITEM NO.0					306,133	305,158
Public utilities subject to relocation/reconstruction for communication P.S. 1 0.00 420.00 0 facilities Public utilities subject to relocation/reconstruction for other facilities TOTAL OF ITEM NO.1			***	0.00	116.100.00	0	116.100
Fublic utilities subject to relocation/reconstruction for other facilities P.S. 1 0.00 1,500.00 0 TOTAL OF ITEM NO.1		P.S.	***	00.0	420.00	0	420
		P.S.	p-4	0.00	1,500.00	0	1.500
	TOTAL OF ITEM NO.1					0	118,020

IIL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (3/9)

				4	10017		19012
E E	Description	E E E		Omt Price (055)	(60)	CSO TIMOTICA	(55)
No.				J.C.	ĽĊ	F.C.	ĽĊ.
	DRAINAGE CHANNEL						ent archivel
7.1 1.7	Drainage Channel		:				
/ 01 E	Excavation	ca.m	41,894	2.53	1.38	105,992	57,814
702 7	Demolishing, hauling and disposing concrete structures	cu.m	2,435	3.81	3.51	9,277	8,547
/ 03 .1	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	160	3.23	2.47	517	395
						1	,
~3 ·	Sub-total of Item No. 2.1			· ·		115,786	66,756
-			-				va.
2.2	Levee and Inspection/Relocation Road	:	-				
707	Coffering and care of water including dewatering	L.S.		710.00	280.00	710	280
/ 02	Stripping, grubbing and clearing	SQ.m	4,634	0.86	0.47	3,985	2,178
/ 03	Excavation	cu.m	3,042	2.53	1.38	7,696	4,198
/ 04 7	Embankment	cu.m	2,956	3.53	2.34	10,435	6,917
/ 05 1	Dump filling	CU.III	46,580	3.53	2.34	164,427	108,997
8/	Filling-up by random material	cu.m	180	0.30	1.10	54	198
/ 04	Geo-textile, t=1.5mm	sq.m	4,495	0.71	1.49	3,191	869'9
80/	Sod facing	sq.m	1.070	0.02	1.43	21	1,530
8/	Cobble/rubble for rip-rap	sq.m	11,585	8.76	4.40	101,485	50,974
) OI /	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	G.B.	3,402	29.00	13.10	98,658	44,566
/ 11 1	Bamboo mat	sg.m	4,866	0.83	7.76	4,039	37,760
/ 12 1	Bamboo waling	lin,m	46,335	0.04	1.01	1,853	46,798
/ 13 1	Bamboo pile, diam. 80-100mm	lin.m	64,772	16.1	0.84	123,715	54,408
/ 14 5	Sub-base course	cu.m	8	6.30	2.80	2,520	1,120
/ 15 1	Base course	cu.m	88	9.60	4.00	2,880	1,200
/ 16 /	Asphalt pavement	sq.m	2,000	3.60	2.40	7,200	4.800
						0,000	000
-,	Sub-total of Item No. 2.2					552.809	776.775
23	Concrete Wall						•
Ξ	Coffering and care of water including dewatering	L.S.	p-4	5,340,00	4,350.00	5,340	4,350
700/	Excavation for footing of L-type concrete wall	cam	4,124	2,53	1.38	10,434	5,691
	Back filling with selected material	cu.m	1,453	0.40	1.30	581	1,889
8 /	Geo-textile, t≖1.5 mm	SQ.m	84	0.71	1.49	34	72

BILL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (4/9)

Trans						
Description	Chit	Quantity	Unit Price (USS)	e (USS)	Amount (US\$)	(USS)
- 1			L)	L.C	F.C.	L.C.
Gravel filter	cr.m	14	8.65	4.47	121	63
	Cu.m	1,702	29.00	13.10	49,358	22.296
	lin.m	208	2.20	08.0	458	166
	Sq.m	3,404	74.64	8.30	254,075	28.253
	SQ.m	3,404	10.93	3.82	37,206	13.003
/ 10 Furnishing RC piles, 250 x 250 mm	lin.m	10,920	6.93	4.17	75,676	45.536
	lin.m	10,920	7.44	2.40	81,245	26,208
/ 12 Concrete, type 4, for footing and wall	Gu.m	2,016	51.95	23.75	104,731	47.880
/ 13 Concrete, type 5, for leveling	Gu.m	586	46.67	21.49	13,348	6.146
/ 14 Form, type F1, for Item No. 2.3/12	SG.m	3.414	1.99	7.08	6,794	24,171
	SG.73	2,104	2.54	11.22	5,344	23,607
/ 16 Reinforcing bars, for Item No. 2.3/12	ਨ ਨ	161,208	0.44	0.16	70,932	25,793
/ 1/ PVC waterstop, W=200 mm	lin.m	1,034	5.25	2.85	5,429	2,947
/ 18 Rubber joint filler, t=10 mm	Sc.m	4	7.16	6.30	29	25
/ 19 Bituminous coating	sq.m	404	0.70	06.0	283	364
Sub-total of Item No. 2.3				T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-	721 418	278 460
					011177	2010
2.4 Masonry Reverment, type II						
	L.S.		1,420.00	1,160.00	1,420	1,160
/ 02 Excavation	e n	1,056	2.53	1.38	2,672	1,457
	ce.m	123	0.40	1.30	49	81
/ Of Geo-Gauge, (=1.5 mm	86.31	77	0.71	1.49	15	31
/ US Grave begoing	er no	5	8.76	4 40	1,226	616
/ vo Coole/noble filing	Cu.m	75	8.76	4.40	657	330
/ 0/ Wet cobble/rubble masonry, type 1	ca.m	220	18.60	14.50	10,230	7.975
/ Os Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	G.B.	521	29.00	13.10	15,109	6,825
/ 09 PVC pipe for weep hole, diam, 50 mm	lm.m	130	2.20	0.80	286	104
/ 10 Furnishing and driving wooden piles, diam, 15-18cm	lin m	228	3.90	2.48	2.059	1,309
/ 11 Concrete, type 4, for foundation	S.B	88	51.95	23.75	4,416	2,019
/ 12 Concrete, type 5, for leveling	cu.m	8	46.67	21.49	1,680	774
/ 13 Form, type F2, for Item No. 2.4/11	Sq.m	443	2.54	11.22	1,125	4.970
/ 14 Neuhoreing dars, for item No. 2.4/11	X	3,457	0.44	0.16	1,521	553



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ji.	6 00	F.C. L.C. 7.16	L.C. 6.30	F.C. L.C	1:31
Sub-total Item No. 2.4 Sub-total Item No. 2.4 Concrete Ditch and Culvert Concrete Ditch and Culvert Excavation of channel including trench cut Rubble bedding Geo-textile, t=1.5mm Mack filling For weep hole, diam. 50 mm Mach Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Sq.m Concrete, type 5, for leveling Concrete, type 6, for leveling Concrete, type 7, for leveling	8 00	7.16	6.30	277	795
Sub-total Item No. 2.4 Concrete Ditch and Culvert Concrete Ditch and Culvert Rubble bedding Geo-textile, +1.5mm Make Filling For weep hole, diam. 50 mm Cou.m Source of concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Concrete, type 5, for leveling Source of the Mos. 2.5/08 and 2.5/09 Sq.m	00			8	080
Concrete Ditch and Culvert 2. Rubble bedding 2. Rubble bedding 3. Geo-textile, t=1.5mm 2. Back filling 3. Gravel filter 5. Gravel filter 5. Gravel filter 5. Gravel filter 5. Oncrete, type 4, for ditch and culvert 6. Concrete, type 5, for leveling 6. Concrete, type 5, for leveling 7. Gorin, type FI. for Item Nos. 2.5/08 and 2.5/09 8. Sq.m 8. Sq.m 9. Concrete, type 5, for leveling 9. Concrete, type 5, for leveling 10. Form, type FI. for Item Nos. 2.5/08 and 2.5/09	00			43,131	28.869
Excavation of channel including trench cut Rubble bedding Geo-textile, t=1.5mm Back filling Gravel filter PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1, for Item Nos. 2.5/08 and 2.5/09 sq.m	00			***************************************	
Rubble bedding Geo-textile, t=1.5mm Geo-textile, t=1.5mm Back filling Gravel filter Gravel filter PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1, for Item Nos. 2.5/08 and 2.5/09	0	2.53	1.38	0	0
Geo-textile, t=1.5mm Back filling Gravel filter Gravel filter PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type FI. for Item Nos. 2.5/08 and 2.5/09 sq.m		8.76	4.40	0	ō
Back filling Gravel filter Gravel filter PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1. for Item Nos. 2.5/08 and 2.5/09 sq.m	0	0.71	1.49	0	0
Gravel filter PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1. for Item Nos. 2.5/08 and 2.5/09	0	0.40	1.30	0	0
PVC pipe for weep hole, diam. 50 mm Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1, for Item Nos. 2.5/08 and 2.5/09	0	8.65	4.47	0	0
Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1, for Item Nos. 2.5/08 and 2.5/09	0	2.20	0.80	0	0
Concrete, type 4, for ditch and culvert Concrete, type 5, for leveling Form, type F1, for Item Nos. 2.5/08 and 2.5/09	0	29.00	13.10	0	0
Concrete, type 5, for leveling Form, type F1; for Item Nos. 2.5/08 and 2.5/09	0	51.95	23.75	0	0
w.ps	0	46.67	21.49	0	0
	0	1.99	7.08	0	0
d 2.5/09	0	2.54	11.22	0	0
/ 12 Reinforcing bars, for Item Nos. 2.5/08	0	0. 4	0.16	0	•
/ 13 PVC waterstop, W-200mm 0	0	5.25	2.85	0	0
im nos.	0	950	0.19	0	0
/ 15 Bitumen coating of sq.m 0	0	0.70	0.0		0
Sub-total of Item No. 2.5				0	0
TOTAL OF ITEM NO.2				1,413,204	747,007
3 DRAINAGE FACILITIES 3.1 Sluiceway		: :		· · · · · · · · · · · · · · · · · · ·	:
51 Coffering and care of water including dewatering	-	1,250.00	1,020.00	1,250	1,020
- T	538	2.53	1.38	1,361	742
als cu.m	63	0.4 04	1.30	27	87
/ 04 Geo-textile, t=1.5 mm	S	0.71	1.49	4	7

BILL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (6/9)

Trem	Description	Unit	Onantity	Unit Price (US\$)	e (USS)	Amount (1)S\$)	(\$\$(1)
Z				L C	CC	F.C.	1.0
l'	Gravel bedding	g.m	20	8.76	4.40	175	88
8/	Wet cobble/rubble masonry, type 2	co.m	47	25.90	30.40	1,217	1,429
/ 02	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	g.n	71	29.00	13.10	2,059	930
/ 08 F	PVC pipe for weep hole, diam, 50mm	lin.m	1-	2.20	08.0	15	Ý
8/	Furnishing steel sheet pile, YSPF, W- 400mm	sc.m	2	74.64	8.30	1,493	166
7 10 7	Driving of steel sheet pile, for Item No. 3.1/09	sd.m	8	10.93	3.82	219	76
/11 F	Furnishing RC Piles, 250 mm x 250 mm	lin.m	512	6.93	4.17	3,548	2,135
/ 12 I	Driving of RC piles, for Item No. 3.1/11	sq.m	512	7.44	2.40	3,809	1,229
/ 13 (Concrete, type 3, for blockout concrete	Cu.m	တ	52.68	24.06	421	192
/ 14 C	Concrete, type 4, for sluiceway structures & revetment	cu.m	62	51.95	23.75	3,221	1,473
/ 15 C	Concrete, type 5, for leveling	cu.m		79.94	21.49	513	236
7 16 1	Base mortar	co.m	12	42.30	64.30	208	772
/ 17 · F	Form, type F1, for Item Nos. 3.1/13 and 3.1/14	sq.m	214	1.99	7.08	426	1,515
/ 18: }	Form, type F2, for Item Nos. 3.1/13 and 3.1/14	SQ.TI	113	4.53	11.22	512	1,268
/ 19 F	Reinforcing bars, for Item Nos. 3.1/13 and 3.1/14	ž,	6,934	0.44	0.16	3,051	1.109
/ 20 F	Rubber joint filler, := 10 mm	Sq.m	4	7.16	6.30	29	25
/21 S	Steel slide gate including hoist, guide frame, accessories and spare	દુ	4	3,068.00	341.00	12,272	1,364
ρ							*
/ 22 S	Steel slide gate including hoist, guide frame, accessories and spare	Set	m	3,413.00	380.00	10,239	1.140
	parts, W= 1.0 m x H = 1.0 m		-				
/ 23 S	Steel slide gate including hoist, guide frame, accessories and spare	Set	0	3,705.00	412.00	0	ō
	parts. W- 1.1 m x H - 1.1 m		:				~~~
/ 24 S	Steel flap gate including guide frame, accessories and spare parts,	¥		461.00	52.00	461	52
-	W=0.4m×H=0.4m						
V	Sub-total of Item Nic 2 1				··	46.830	17.061
')	ייט-נטנקו טו זוניווו זוט. ס. ז						
3.2	Connection Canal / Cross Drain						
	Coffering and care of water including dewatering	L.S.		450.00	360.00	450	360
-	Trench excavation	cu.m	253	3.28	1.89	830	478
8 SO /	Back filling with excavated materials	Co.m	51	0.40	1.30	8	8
8/	04 Gravel bedding	ca.m	43	8.76	4,40	377	189
/ 0S	Precast concrete culvert, 400x 400mm	lin.m	0	25.40	12.20	0	0

BILL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (7/9)

							(30.2)
ica E	Description	苦り	Cuantity	Unit Price (USS)	(0.2%)	Amount (USS)	(28)
Š				F.C.	L.C.	F.C.	L.C.
3.8		lin.m	1,017	15.90	8.20	16,170	8,339
<u> </u>	Freedst conference such L-19 pc, sooksoomun	THE TOTAL PARTY OF THE TOTAL PAR	> .	?	}	•	·
	Sub-total of Item No. 3.2					17,847	9,432
	TOTAL OF ITEM NO. 3					64,677	26,493
4	REIDGE AND ROAD					· · · · · ·	
4.1	Care of River						
/ 01		L.S.	+-4	64,600.00	21,500.00	64,600	21,500
/ 02	Demolishing, hauling and dispos	ca.m	11	3.81	3.51	293	270
/ 03		cs.m	248	3.23	2.47	801	613
	Sub-total of Item No. 4.1					65,694	22,383
4.2	Foundation and Substructure						
0 /		nos.	grad	313.00	130.00	313	130
8	Furnishing and driving test PC pile,	nos.	F-4	328.00	136.00	328	136
/ 03	Furnishing and driving test PC pile, 350 mm, A type,	nos.		342.00	142.00	342	142
8	•	nos.	_	401.00	167.00	401	167
\ Ω		nos.	9	155.00	66.00	1,395	594
8		lin.m	88	7.55	3.98	649	342
/ 07		nos	6.	169.00	72.00	1.521	87
8	4.	lin.m	8	10.38	4.87	934	438
8	Furnishing PC pile, 350 mm, A type, L-13 m	nos.	15	183.00	78.00	2,745	1.170
01 /	Driving PC piles, for Item No. 4,2/09	lin.m	176	65.6	4.50	1.688	792
/ 11	Furnishing PC pile, 350 mm, A type, L= 17 m	nos.	H	240.00	103.00	2,640	1,133
/ 12	Driving PC piles, for Item No. 4.2/11	lin.m	165	7.33	3.44	1,209	268
/ 13	Furnishing PC pile, 350 mm, B type, L-11 m	nos.	∞	192.00	82.00	1,536	959
/ 14	Driving PC piles, for Item No. 4	lin.m	9	7.55	3.98	453	239
/ 15	Fumishing PC pile, 350 mm, B type, L-12 m	nos.		209.00	90.00	1,672	720
/ 16	Driving PC piles, for Item No. 4	lin.m	89	10.38	4.87	786	331
/ 17	Furnishing PC pile, 350 mm, B type, L-13 m	nos.	∞	227.00	97.00	1.816	776
/ 18	1,2/17	lin.m	76	9.59	4.50	729	342
/ 19	Furnishing PC pile, 350 mm, B type, L-17 m	nos.	12	297.00	127.00	3,564	1,524

BILL OF QUANTITIES FOR PACKAGE 2, TANJUNGAN (8/9)

	I Init	Oughtity	This Price (110%)	(3511)	Amount (TSS)	(\$\$1)
Mediu		(1)			(4	(
- 1	12.	18	7 32	2.7.	1 187	557
20 Diving PC plies, for liem ing. 4.2.19	17.717	701	1 (0000	0000
/ 21 Concrete, type 2, for bridge slab, pier and abutment	8 B	100	02.70	40.47	06.0	070.0
/ 22 Concrete, type 5, for leveling, t = 10 cm.	cu.m	<u>o</u>	40.07	21.49	077	193
/ 23 Form, type F1, for Item Nos. 4.2/21 and 4.2/22	sq.m	319	I.99	7.08	635	2,259
/ 24 Reinforcing bars, for Item No. 4.2/21	× 50	14,574	4	0.16	6,413	2,332
	3				. 1	
Sub-total of Item No. 4.2					41,686	20,017
			:			
[4,3 Superstructure						
22	8	8	673.00	304.00	43,072	19,456
/ 11 Furnish and erection of PC girgder.H=550mm, L=14.1m, BM-70	Z Z	24	1,233.00	\$36.00	29,592	12,864
/ 17 Furnish and erection of PC girgder.H=500mm, L=12.9m, BM-100	<u>8</u>	28	1,037.00	452.00	29,036	12,656
/ 30 Concrete type 2, for lateral girder, side wall and in-situ slab	cu.m	1,561	53.78	24.54	83,951	38,307
/ 31 Concrete type 4 for side walk	Cu.m	139	51.95	23.75	7,221	3,301
/ 32 Form. type F1. for Item Nos. 4.3/30 and 4.3/31	SG.m	0	3.86	8.86	0	ō
/ 33 Reinforcing bars, for Item Nos, 4.3/30 and 4.3/31	χ. 8	296	0.44	0.16	262	98
	lin.m	3.618	10.60	5.10	38,351	18,452
	II.	172.3	1.84	1.27	317	219
	nos.	1.940	12.02	6.48	23,319	12,571
/ 38 Anchoring in movable bearing shoe	nos.	107	10.60	6.31	1,134	675
/ 39 Bearing shoe, fix	nos.	107	2,018.00	231.00	215.926	24,717
/ 41 Guard pipe for Road bridge, H=0.4m	lin.m	0.0	41.40	11.30	0	0
/ 42 Guard pipe for pedestrian bridge, H=1.0m	linm	205.4	174.00	27.00	35,740	5.546
/ 45 Drain pipe, D=75mm, L=40cm	nos.	36	2.37	1.62	85	28
/ 47 Expansion joint, for pedestrian and in-situ slab bridges	lin.m	134.7	342.00	46.00	46.067	6.196
/ 48 Asphalt pavement	CH.III	82	71.10	48.60	5,830	3.985
Suproval of from No. 43			· .		559,903	159,098
		(i	i i	Š	ÿ
	8 E	2	56.15	23.75	700	3 4
	S. H.	Ò	3	80.7	171	9 6
/ 03 Reinforcing bars, for Item No. 4.4/01	X 00	2,165	0.44	0.16	933	3.45.

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	Pescubnou	5	ン = = 5		F.C. L.C	1.0	F.C. L.C	L.C.
		:	 					
	Sub-total of Item No. 4.4	· · · · · · · · · · · · · · · · · · ·					7,00,7	007
4.5	Approach Road							
7		sq.m	E	4,661	3.81	3.51	17,758	16,360
7 02		sq.m	<u> </u>	1,075	3.23	2.47	3,472	2,655
88/	_	ca m	E	425	2.53	1.38	1,075	587
/ 04		cu.m	E	288	0.40	1.30	115	374
00/		ca.m	8	478	18.60	14.50	8,891	6.931
8	_	cu.m	<u>н</u>	465	51.95	23.75	24,157	11.044
/ 03	_	G.B	E	147	46.67	21.49	6,860	3,159
8	Form, type F1, for Item No. 4.5	SC. III	E	1.894	1.99	7.08	3,769	13,410
8		Sq.m	Ę	277	2.54	8.75	707	2,424
/ 10		nos.	S.	4.	6.40	3.40	9.216	4,896
1	, ,4	H.	lin.m	864	12.20	6.40	10,541	5,530
/ 12	-,	cn m	Ę	2,732	3.53	2.34	9,644	6,393
/ 13	,	Cn.m	នុ	925	6.30	2.80	5,828	2,590
/ 14		cnm	- <u>-</u> -	695	9.60	8.4	6,672	2,780
/ 15	Asphalt pavement	G.B	E	234	71.10	48.60	16,637	11,372
	Sub-total of Item No. 4.5			:		-	125,339	90,505
						4.		
	TOTAL OF ITEM NO. 4						794,689	293,253
SC	SUMMARY OF AMOUNT							
No. 0	GENERAL ITEM	, OCI				:	306,133	305,158
- C	1 RELOCATION/RECONSTRUCTION OF FUBLIC UTILITIES OF PRAINAGE CHANNET		<u> </u>		:	:	1.413.204	747,007
	No. 3 DRAINAGE FACILITIES						64,677	26,493
No. 4	4 BRIDGE AND ROAD						794,689	293,253
	TOTAL OF CONSTRUCTION COST						2.578.703	1.489.931
	EQUIVALENT TO (US\$)						4,068,634	,634

BILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (1/9)

Trem	Description	Tinit	Organita	Unit Price (1785)	(\$21)	Amount (188)	(351)
Š		<u> </u>		FC		THE CHAPTER STATES	0
0 /	GENERAL ITEM Construction, maintenance and subsequent removal of temporary	L.S.	0.059	3,600.00	2,300.00	212	136
7 02		L.S.	0.059	5,100.00	3,100.00	301	183
/ 03		L.S.	0.059	0.0	35,100.00	0	2,071
9		P.S.	0.059	2,000.00	2,300.00	118	136
8	Office Construction, operation, maintenance and subsequent removal of the L.S. Contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land	L.S.	0.059	48,200.00	146,700.00	2.844	8,655
8	Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing	L.S.	0.059	7,800.00	3,900.00	460	230
/ 02	instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with	L.S.	0.059	16,200.00	11,300.00	926	199
80/	driver Installation, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage	L.S.	0.059	6,520.00	7,200.00	385	425
8	systems Installation, operation, maintenance and subsequent removal of	L.S.	0.059	33,530.00	5,910.00	1,978	349
/ 10	temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work	L.S.	0.059	20,790.00	10.540.00	1,227	622
/ 11	shops and construction sites Boreholes and exploratory excavation	P.S.	0.059	\$10.00	290.00	30	17

BILL OF QUANTITIES FOR PACKAGE 2. PIK JUNCTION (2/9)

Team Daggintion	I Init /	I Init Onantity	Unit Price (USS)	(\$321)	Amount (USS)	(\$\$(1)
			F.C.	L.C.	F.C.	L.C.
/ 12 All risk insurance of works for permanent and temporary facilities.	L.S.	0.059	5,500.00	3,200.00	325	189
and insurance for third parties / 13 Provision of safety equipment and instruments for laborers, and installation, maintenance and subsequent removal of safety	L.S.	0.059	5,000.00	2,500.00	295	148
instruments and sign boards / 14 Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.059	3,670.00	00.086	217	88
/ 15 Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.059	53,760.00	15.840.00	3,172	935
/ 16 Topographic survey / 17 Site clearance in acquired areas with houses and other buildings	P.S.	0.059	19,700.00	21.100.00	1,162	1,245
TOTAL OF ITEM NO.0					13,682	16,066
RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES / 01 Public utilities subject to relocation/reconstruction for electricity facilities	P.S.	· •	8.0	8.	0	0
/ 02 Public utilities subject to relocation/reconstruction for communication	P.S.	r-4	0.00	0.0	0	0
/ 03 Public utilities subject to relocation/reconstruction for other facilities	P.S.	H	00.0	0.00	0	0
TOTAL OF ITEM NO.1					0	0

BILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (3/9)

: 1	-			W. C. T.		() (1) (1)	Γ
Item Description		Quantity [Unit Price (USS)	(023)	Amount (USS)	(000)	ī
No.			F.C.	L.C.	F.C.	L.C.	_
2 DRAINAGE CHANNEL			:				
2.1 Drainage Channel							 -
7	£	c	2 53	1 38	C		0
	•	> () (2	0		· C
/ 02 Demolishing, hauling and disposing concrete structures	er.B	7	5.81	5.01	0		
/ 03 Demolishing, hauling and disposing asphalt/masonry structures	G.n	0	3.23	2.47	0		ō
Sub-total of Item No. 2.1					∞		_
		-		-			
2 2 I avea and Increation/Delocation Road					-		
	0	-	5	8	C		~
/ 01 Coffering and care of water including dewatering		~ 4 (000	3 (> <
/ 02 Stripping, grubbing and clearing	E.S.	0	0.86	0.47	o		>
/ 03 Excavation	ca.m	0	2.53	1.38	0		0
/ 04 Embankment	Cu.m	0	3.53	2.34	0		0
/ 05 Dump filling	Cu.m	0	3.53	2.34	0		0
/ O6 Filling-up by random material	CG.TH	0	0.30	1.10	0		0
/ 07 Geo-textile t= 1 Smm	So.m	0	0.71	1.49	0		0
:	8	0	0.02	1.43	0		0
	5	C	8.76	4	0		Ö
/ 10 Gabion matters 3 Ov 1 SvO 5 m DVC coated wire	E 75	O	29.00	13.10	0		0
	5	· C	0 83	7.76	C		O
1 1 Dalinoxo mat	, de	> (· C		7
/ 12 Bamboo waling	E E	5	40.0	0.1	> (5 6
/ 13 Bamboo pile, diam. 80-100mm	lin.m	0	1.91	0.84	0		5
/ 14 Sub-base course	CG.TD	0	6.30	2.80	0		ō
/ 15 Base course	CT.III	0	9.60	4.00	0		ō
/ 16 Asphalt pavement	so.m	0	3.60	2.40	0		0
			:				
Sub-total of Item No. 2.2					0		0
2.3 Concrete Wall							
~	Ľ.S.		00:0	00.0	0		ō
	Cu.m	0	2.53	1.38	0	-	0
	Co.m	0	0.40	1.30	0		0
	SG.m.	0	0.71	1.49	0		0

IIL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (4/9)

			(3.10.4)	A mount	+ (TICE)
Item			(600)	(cso) mooney	(000)
ÖZ		F.C.	L.C.	F.O.	1.C
/ 05 Gravel filter	cu.m 0	٠.	4.47	0	0
/ 06 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cn.m o	29.00	13.10		
	lin.m		0.80	•	·
/ 08 Furnishing steel sheet pile, YSPF, W= 400mm	Sq.m 0		8.30	•	
/ 09 Driving steel sheet pile, for Item No. 2.3/08	Sc.m	10.93	3.82	0	
		:	4.17	•	
_	lin.m		2.40	0	0
/ 12 Concrete, type 4, for footing and wall	cu.m		23.75	0	
/ 13 Concrete, type 5, for leveling	cu.m		21.49	0	
/ 14 Form, type F1, for Item No. 2.3/12	sd.m 0	1.99	7.08		
/ 15 Form, type F2, for Item No. 2.3/12	sq.m	2.54	11.22	0	
/ 16 Reinforcing bars, for Item No. 2.3/12		0.44	0.16	0	
/ 17 PVC waterstop, W=200 mm	lin.m	5.25	2.85	0	
/ 18 Rubber joint filler, t=10 mm			6.30	0	
/ 19 Bituminous coating	o urbs	0.70	0.90	0	
				•	
Sub-total of Item No. 2.3				•	>
2.4 Macamay Revietment tyme II					
7	٠ -	2	S	C	0
	; c		138		
/ 03. Back filling			1.30	•	•
/ 04 Geo-textile, t=1.5 mm	o H SS		1.49	•	
/ 05 Gravel bedding	ca.m 0	8.76	4.40	•	
/ 06 Cobble/rubble filling	cu.m	8.76	4.40	•	-
/ 07 Wet cobble/rubble masonry, type 1	cu.m	18.60	14.50	•	
/ 08 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	29.00	13.10	0	
/ 09 PVC pipe for weep hole, diam. 50 mm	lin.m		08.0	0	
/ 10 Furnishing and driving wooden piles, diam. 15-18cm	lin.m 0	3.90	2.48		·.
/ 11 Concrete, type 4, for foundation	ca.m o		23.75	0	·
/ 12 Concrete, type 5, for leveling	ca.m 0	4	21.49	0	
∼ાં	o m.ps		11.22		
/ 14 Reinforcing bars, for Item No. 2.4/11	kg	0.44	0.16	٥	

BILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (5/9)

Therm Description	Thir	Quantity	Thit Price (TSS)	(SSID	Amount (USS)	(3311)
)		В		U H	U
/ 15 Rubber joint filler, t=10 mm	sq.m	0	7.16	6.30	0	0
Sub-total Item No. 2.4					0	0
2.5 Concrete Ditch and Culvert						
/ 01 Excavation of channel including trench cut	cu.m	2,589	2.53	1.38	6,550	3,573
/ 02 Rubble bedding	cu.m	328	8.76	4.40	2,873	1.443
/ 03 Geo-textile, t=1.5mm	sq.m	27	0.71	1.49	19	8
/ 04 Back filling	ca.m	1,189	0.40	1.30	476	1,546
/ 05 Gravel filter	cu.m	\$	8.65	4.47	69	36
/ 06 PVC pipe for weep hole, diam. 50 mm	lin.m	118	2.20	0.80	260	94
/ 07 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	8	29.00	13.10	19,256	8,698
/ 08 Concrete, type 4, for ditch and culvert	ce.m	915	51.95	23.75	47,534	21,731
/ 09 Concrete, type 5, for leveling	cu.m	142	46.67	21.49	6.627	3,052
/ 10 Form, type F1, for Item Nos. 2.5/08 and 2.5/09	SC.TI	1,640	1.99	7.08	3,264	11,611
/ 11 Form, type F2, for Item Nos. 2.5/08 and 2.5/09	sq.m	1,225	2.54	11.22	3,112	13,745
/ 12 Reinforcing bars, for Item Nos. 2.5/08	ÿ.	54,893	0 4	0.16	24,153	8,783
/ 13 PVC waterstop, W=200mm	lin.m	320	5.25	2.85	1,680	912
/ 14 Joint bar, diam, 25 mm, L-1m	nos.	392	0.56	0.19	220	74
/ 15 Bitumen coating	sd.m	33	0.70	0.90	23	8
Sub-total of Item No. 2.5	2-7				116,116	75,368
TOTAL OF ITEM NO.2					116,124	75,375
3 DRAINAGE FACILITIES 3.1 Sluiceway		 				
Ö	L.S.	 -1	180.00	150.00	180	150
	cu.m		2.53	1.38	28	15
/ 03 Back filling with selected materials	cu.m	I	0.0	1.30	4	4
/ 04 Geo-textile, t=1.5 mm	sq.m		0.71	1.49	1	

ILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (6/9)

ر و	Description	I Init	Onantity	Unit Price (US\$)	(\$30)	Amount	(USS)
2				F.C.	L.C.	F.C. L.C	L.C.
\ S	Gravel bedding	G.m	4	8.76	4.40	35	18
8		cu.m	01	25.90	30.40	259	304
10/		cu.m	-	29.00	13.10	203	23
80/	PVC pipe for weep hole, diam. 5(lin.m	5	2.20	0.80	4	2
8		m.ps	0	74.64	8.30	0	0
/ 10	Driving of steel sheet pile, for Item No. 3.1/09	sq.m	0	10.93	3.82	0	0
11/	Furnishing RC Piles, 250 mm x 250 mm	lin m	84	6.93	4.17	333	200
/ 12	Driving of RC piles, for Item No. 3.1/11	m.ps	\$₹	7.44	2.40	357	115
/ 13	Concrete, type 3, for blockout concrete	cu.m		52.68	24.06	53	24
7.14	Concrete, type 4, for sluiceway structures & revetment	cu.m	0	51.95	23.75	468	214
/ 15	Concrete, type 5, for leveling	cu.m		46.67	21.49	47	21
9: /	Base mortar	cu.m	2	42.30	64.30	82	129
7.17	Form, type F1, for Item Nos. 3.1/13 and 3.1/14	SQ.m	4	1.99	7.08	28	8
/ 18	Form, type F2, for Item Nos. 3.1/13 and 3.1/14	sq.m	15	4.53	11.22	89	168
/ 19	Reinforcing bars, for Item Nos. 3.1/13 and 3.1/14	Х 39	980	0.44	0.16	431	157
7 20	Rubber joint filler, t- 10 mm	Sq.m	0	7.16	6.30	0	0
/ 21	Steel slide gate including hoist, guide frame, accessories and spare	Set	0	3.068.00	341.00	Ö	ō
	parts. W= 0.8 m x H = 0.8 m					•	
/ 22		Set	0	3,413,00	380.00	0	0
	parts, W- 1.0 m x H - 1.0 m				(i d	;
/ 33		ij		3,705.00	412.00	3,705	715
			~	2	\$	C	
47/	• •	 ਹੁ	>	3.13	24.00	>	
	W=0.4 H X I = 0.4 H						
	Sub-total of Item No. 3.1					6,289	2,135
,	Connection Canal / Cross Drain						
0 /	-	L.S.	-	0.0	0.00	0	0
7 02	Trench excavation	ca.m	4	3.28	1.89	154	68
60/	3 Back filling with excavated materials	Cu.m	0	0.40	1.30	4	12
8 5	Gravel bedding	G. H	4 0	8.76	4. č	123	62
8	recast concrete curvent, 400x400mm		0	O4. C7	12.20	CV2	70

BILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (7/9)

		YY = 14	7.52	Train Dail	(1100)	A 44.0	(301)
155 E	Lescription	i i i		Office Fried (USA)	(200)	Antomit (USS)	(33)
No.				T.O.	L.C.	Ĭ.	C.C.
8 /	Precast concrete side ditch, U-type, 400x 400mm	lin m	0	15.90	8.20	0	0
/ 02	/ 07 Precast concrete side ditch, L-type, 300x300mm	lin.m	320	7.50	3.9	2,400	1,248
· · · · · · · · · · · · · · · · · · ·	Sub-total of Item No. 3.2					2.884	1,509
	TOTAL OF ITEM NO. 3					9,173	3.644
	TANG TINA RECALDED		POLICE THE SECTION		:		derfendade délicie
1 7	Care of River						
/ 01	Coffering and care of water including dewatering	L.S.		000	0.00	0	ठ
/ 02		ca.m		3.81	3.51	4	4
/ 03		cu.m	22	3.23	2.47	71	24
	Sub-total of Item No. 4.1					75	28
2,7	Foundation and Substructure						
/ 01	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	0	313.00	130.00	0	0
7 02	350 mm, A type, L-	nos.	0	328.00	136.00	0	ਠ
/ 03	le, 350 mm, A type, L-	nos.	0	342.00	142.00	0	0
<u>/</u> 8		nos.	0	401.00	167.00	0	0
78	Furnishing PC pile, 350 mm, A type, L-11 m	nos.	<u></u>	155.00	66.00	0	ō
8	Driving PC piles, for Item No. 4.2/05	lin m	0	7.55	3.98	0	0
/0/	Furnishing PC pile, 350 mm, A type, L= 12 m	nos.	ਠ	169.00	72.00	0	0
8		lin.m	0	10.38	4.87	0	0
8		nos.	0	183.00	78.00	0	0
/ 10	Driving PC piles, for Item No. 4.2/09	lin.m.	0	9.59	4.50	0	0
/ 11	Furnishing PC pile, 350 mm, A type, L-17 m	nos.	0	240.00	103.00	0	ō
/ 12	Driving PC piles, for Item No. 4.2/11	lin.m	0	7.33	3,44	0	0
/ 13	Furnishing PC pile, 350 mm, B type, L- 11 m	nos.		192.00	82.00	0	0
/ 14	_	lin.m	0	7.55	3.98	0	0
/ 15	Furnishing PC pile, 350 mm, B type. L- 12 m	nos.	0	209:00	8.00	0	ō
/ 16	Driving PC piles, for Item No. 4.2/15	lin.m	0	10.38	4.87	0	0
/ 17	Furnishing PC pile, 350 mm, B type, L-13 m	nos.	0	227.00	8.78	0	o
/ 18	Driving PC piles, for Item No. 4.2/17	lin.m	0	626	4.50	0	0
/ 19	Furnishing PC pile, 350 mm, B type. L= 17 m	nos.	0	297.00	127.00	0	0

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IIL OF QUANTITIES FOR PACKAGE 2, PIX JUNCTION (8/9)

			T facit Daio	(\$01.0) a	+ cricon V	(3.00)
	1 5	Cuantry	Cilli Fixe (Coo)	66013		, COS (
No.			F.C.	.:	F.C.	i.
/ 20 Driving PC piles, for Item No. 4,2/19	lin.m	0	7.33	3.44	Ö	0
Concrete, type 2, for bridge slab	cr.m	75	53.78	24.54	4,034	1,841
/ 22 Concrete, type 5, for leveling, t - 10 cm.	Ca m	7	46.67	21.49	327	150
/ 23 Form, type F1, for Item Nos. 4.2/21 and 4.2/22	SG.B	312	1.99	7.08	621	2,209
/ 24 Reinforcing bars, for Item No. 4.2/21	X S	6,710	0.44	0.16	2,952	1.074
		:			i i	* 100
Sub-total of Item No. 4.2	-				1,934	4/7.0
4.5 Superstructure						•
/ 03 Furnish and erection of PC girgder, H-450mm, L-9.5m, BM-70	<u>ب</u>	<u></u>	673.00	304.00	O	Φ,
/ 11 Furnish and erection of PC girgder, H-550mm, L-14.1m, BM-70	<u>გ</u>	0	1,233,00	536.00	0	Φ [°]
/ 17 Furnish and erection of PC girgder, H-500mm, L-12.9m, BM-100	ğ	ਨ	1.037.00	452.00	0	0
/ 30 Concrete, type 2, for lateral girder, side wall and in-situ slab	ca.m	13	53.78	24.54	669	319
/ 31 Concrete, type 4, for side walk	G.m	0	51.95	23.75	0	•
/ 32 Form, type F1, for Item Nos. 4.3/30 and 4.3/31	sq.m	98	3.86	8.86	332	762
/ 33 Reinforcing bars, for Item Nos. 4,3/30 and 4,3/31	8	1,322	0.44	0.16	282	212
Curb stone	lin.m	0	10.60	5.10	0	o
/ 36 Non-shrink mortar with grid bars, for shoe base	H	0.0	1.84	1.27	0	0
/ 37 Anchoring in fixed bearing shoe	nos.	0	12.02		0	
/ 38 Anchoring in movable bearing shoe	nos.	0	10.60		0	0
/ 39 Bearing shoe, fix	nos.	<u></u>	2.018.00	231.00	0	•
/ 41 Guard pipe for Road bridge, H=0.4m	lin.m	12.4	41.40	11.30	513	140
/ 42 Guard pipe for pedestrian bridge, H=1.0m	lin.m	0.0	174.00	27.00	0	О
/ 45 Drain pipe, D=75mm, L=40cm	nos.	6	2.37	1.62	0	0
/ 47 Expansion joint, for pedestrian and in-situ slab bridges	lin.m	12.4	342.00	46.00	4,241	570
/ 48 Asphalt pavement	ca.m	4	71.10	48.60	284	194
Sub-total of Item No. 4.3					6,651	2,197
			-			
_	ca.m	0	51.95		0	0
Form, type F1, for Item No. 4.	SQ.m	<u></u>	1.99		0	0
/ 03 Reinforcing bars, for Item No. 4.4/01	kg	0	0.44	0.16	Ö	0

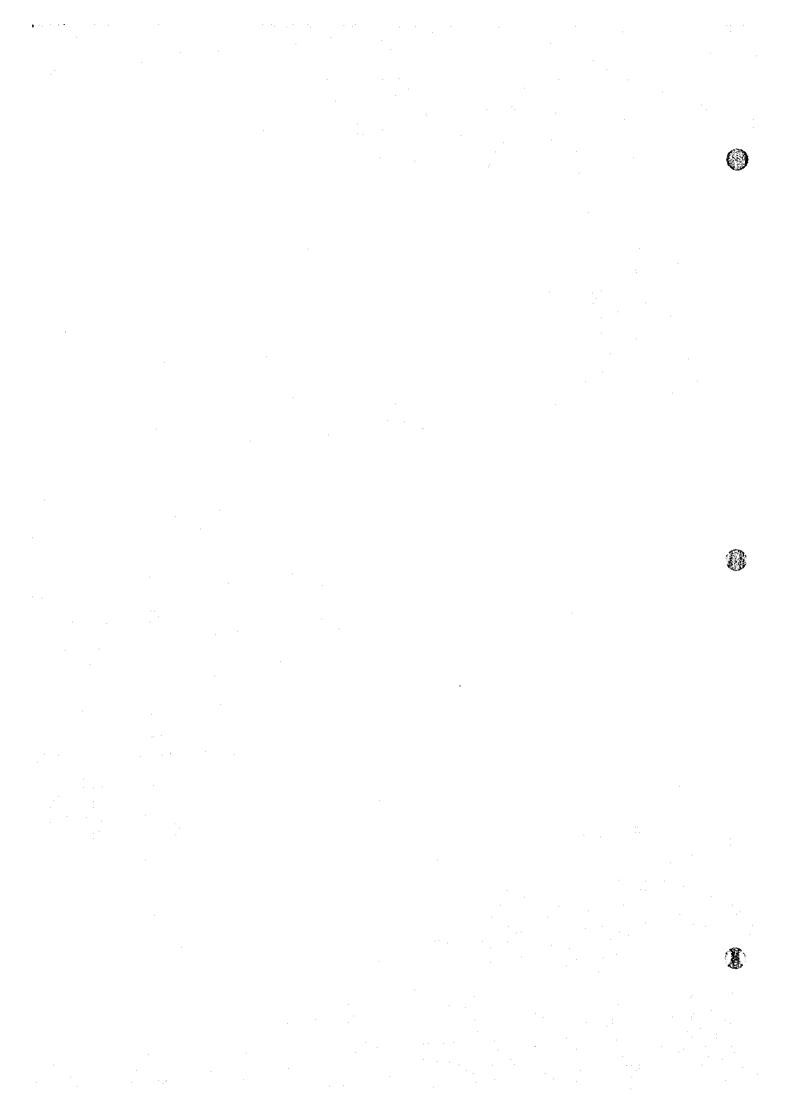
BILL OF QUANTITIES FOR PACKAGE 2, PIK JUNCTION (9/9)

Item Description	Unit	Unit Quantity	Unit Pri	Unit Price (US\$)	Amon	Amount (USS)
No.	· · · · · · · · · · · · · · · · · · ·		F.C.	L.C.	F.C.	L'C'
		-				
Sub-total of Item No. 4.4		:				0
/ 01 Kemoval of existing concrete pavement	Sq.m	0	3.81			0
/ 02 Removal of existing asphalt/base pavement	sq.m	0	3.23	2.47	•	0
/ 03 Excavation	ca.m	0	2.53		•	
/ 04 Back filling	cu.m	0	0.40			· C
/ 05 Wet rubble/cobble masonry for slope protection	Ca.m	0	18.60			
/ 06 Concrete; type 4, for side wall	co.m	0	51.95			
/ 07 Concrete, type 5, for foundation concrete	Cu.m	ō	46.67	21 49	, C	
/ 08 Form, type F1, for Item No. 4.5/06	9	C	1 00		· C	
/ 09 Form, type F2, for Item Nos. 4.5/06 to 4.5/07	S	C	25.0	× × ×		
/ 10 Prepart concrete drain Mooir type 5a	300	· C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
Description of the discharge of the disc	3	5 6	9.6	3,)	
×	E E	5	12.20	6.40	0	_
/ 12 Embankment and sub-grade	cu.m	0	3.53	2.34	•	
/ 13 Sub-base course	cu.m	0	6.30	2.80	0	_
/ 14 Base course	ca.m	0	9.60	4.00	•	
/ 15 Asphalt pavement	cu.m	0	71.10	48.60		
Sub-total of Item No. 4.5			-	Kimit earena		
TOTAL OF ITEM NO. 4		:			14,660	7,529
SUMMARY OF AMOUNT						
No. 0 GENERAL ITEM					13 682	16.066
No. 1 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES				-	0	
No. 2 DRAINAGE CHANNEL					116.124	75.375
					9,173	
No. 4 BRIDGE AND ROAD					14,660	7,529
のののようにはいいのでは、これのように		:			,	
EQUIVALENT TO (USS)					153,639 256	639 102,614 256,253
						1

APPENDIX 8-3

Priced Bill of Quantities for

Package-3



SILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (1/12)

GENERAL TTEM Construction, maintenance and subsequent removal of temporary construction, operation, maintenance and subsequent removal of temporary construction, operation, maintenance and subsequent removal of temporary construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Contractor's laboratory, including provision of necessary testing instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with ceremonal of the L.S. Contractor's laboratory maintenance and subsequent removal of L.S. Contractor laboratory described by system Installation, operation, maintenance and subsequent removal of laboratory described by system of the laboratory described by the labora		Amount (USS)	; ;;	2,540 1,583	6,038 3,584	0 8,143	348 400	8,752 26,639	1,897	3,758 2,627	1,737 1,893	9,535 1,683	4,790 2,346	· ·
GENERAL ITEM GENERAL ITEM Construction, maintenance and subsequent removal of temporary Maintenance of existing public roads utilized for construction purpose, including temporary bridges to various working areas Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. O.174 34.700.00 Construction, operation, maintenance and subsequent removal of the L.S. O.174 SO.300.00 Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. Construction, operation, maintenance and subsequent removal of the L.S. O.174 SO.300.00 Construction, operation, maintenance and subsequent removal of the L.S. O.174 SO.300.00 Construction, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 driver Installation, operation, maintenance and subsequent removal of L.S. O.174 SO.300.00 Construction system connecting with office, work shops and construction sites	* p.c.m					46.800.00	2,300.00	and the second s	5,400.00		10,880.00			
GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the L.S. Engineer's office Funishing of office furniture required for the temporary Engineer's office Funishing of office furniture required for the temporary Engineer's office Construction, operation, maintenance and subsequent removal of the L.S. contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the L.S. driver instruments and apparatus Provision of first aid kit boxes in all sites and an ambulance with driver installation, operation, maintenance and subsequent removal of temporary electric supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites:		Unit Price	F.C.	14,600.00	34,700.00	0.00	2,000.00		10,900.00	21,600.00	00.086.6	54,800.00	27,530.00	
GENERAL ITEM Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control Construction, operation, maintenance and subsequent removal of the Engineer's office Furnishing of office furniture required for the temporary Engineer's office Construction, operation, maintenance and subsequent removal of the Contractor's temporary buildings and facilities, including offices, staff quarter, labor camps, motor pool, repair shop, warehouses, work shops, guard house, fence, and rental fee of land Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing instruments and apparatus Construction, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage systems Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary electric supply system Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites				0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	
		ä		L.S.	L.S.		P.S.			L.S.	L.S.	L.S.	L.S.	
If Can No. N					/ 02 Maintenance of existing public roads utilized for construction purpose, including temporary supports to strengthen existing roads, waterways, piers and abutments of bridges, and traffic control				/ 06 Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing	instruments and apparatus Provision of first aid kit boxes in			temporary electric supply system / 10 Installation, operation, maintenance and subsequent removal of	shops and construction sites

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (2/12)

Team	Tinit	Thit Quantity	Unit Price (USS)	e (USS)	Amount (US\$)	(USS)
	<u> </u>		F.O.	L.C.	F.C.	1,0
/ 12 All risk insurance of works for permanent and temporary facilities.	L.S.	0.174	12.900.00	8.300.00	2,245	1,444
and insurance for third parties 3 Provision of safety equipment and instruments for laborers, and	L.S.	0.174	10,000.00	5.000.00	1.740	870
installation, maintenance and subsequent removal of safety instruments and sign boards 4 Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.174	3.670.00	980.00	639	F
15 Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.174	53,760.00	15,840.00	9,354	2,756
6 Topographic survey 7 Site clearance in acquired areas with houses and other buildings	P.S. sq.m	0.174	40,600.00	43,500.00	7,064	7,569
TOTAL OF ITEM NO.0					61.841	63,502
RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES 01 Public utilities subject to relocation/reconstruction for electricity facilities	P.S.	-4	0.00	117,600.00		117,600
/ 02 Public utilities subject to relocation/reconstruction for water	S.S.	 *	0.0	1,700.00	0	1,700
supply/drainage lacilities / 03 Public utilities subject to relocation/reconstruction for communication	P.S.		0.0	72,560.00	0	72.560
racinities / 04 Public utilities subject to relocation/reconstruction for other facilities	P.S.	r-4	0.0	800,00	0	8
TOTAL OF ITEM NO.1					0	192.660

SILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (3/12)

I tom	Description		Tinit	Onantity	Unit Price (US\$)	(355)	Amount (US\$)	(US\$)
ģ				•	F.C.	L.C.	F.C.	L.C.
7	DRAINAGE CHANNEL							
2.1	Drainage Channel				,	. (
/ 01	Excavation		cu.m	17,925	2.53	1.38	45,350	24.737
7 02	Demolishing, hauling and disposing asphalt/masonry structures	tures	ca.m	<u>.</u> <u>4</u>	3.23	2.47	4,664	3,567
	Sub-total of Item No. 2.1						50,014	28,304
				_,		, ,		
2.2	Levee and Inspection/Relocation Road							
/ 01	Coffering and care of water including dewatering		L.S.	-	00.0	0.0	0	0
/ 02	Stripping, grubbing and clearing		sq.m	1,484	0.86	0.47	1.276	697
/ 03	Excavation		cu.m	0	2.53	1.38	0	O
70/	Embankment		cu.m	1,053	3.53	2.34	3,717	2,464
8	Back filling with selected material		cu.m	0	0.40	1.30	0	0
8	Filling-up by random material		cu.m	0	0.30	1.10	0	0
/ 02	Geo-textile, tel.5mm		sq.m	0	0.71	1.49	0	0
/ 08	Sod facing		SG.m	290	0.02	1,43	9	415
8	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire		G. III	0	29.00	13.10	0	0
/ 10			ca.m	212	6.30	2.80	1,336	594
/ 11	Base course		ය. ස	159	9.60	8	1.526	989
/ 12	Asphalt pavement		SG.EI	1,060	3.60	2.40	3,816	2.544
								1
	Sub-total of Item No. 2.2						11,677	7,350
2.3	Concrete Parapet Wall						- 	
7	Coffering and care of water including dewatering		L.S.	,-4	0.00	0.00	0	O
/ 02	Excavation for footing of parapet wall		Ca.m	0	2.53	1.38	0	0
/ 03	Back filling with selected material		Cu.m	0	0.40	1.30	0	0
/ 04	_		G.m.	0	29.00	13.10	0	0
/ 05	Furnishing steel sheet pile, YSPF, W= 400mm		sq.m	0	74.64	8.30	0	ਰੋ
8			sq.m	0	10.93	3.82	0	0
/ 02	Furnishing RC piles, 250 x 250 mm		lin.m	0	6.93	4.17	Ó	0
8 /	Driving RC piles, for Item No. 2		lin.m	0	7 44	2.6	0	•
8	Concrete, type 4, for footing and wall		cu.m	0	51.95	23.75	0	Ö

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (4/12)

		1	Trait Daine (TICE)	(301)	A mount (Tree)	(1706)
	1100	Custon's	Cilit F11C	(65)		(0.50)
No.			F.C.	L.C.	F.C.	L.C.
/ 10 Concrete, type 5, for leveling	cn'm	0	79.67	21.49	0	0
/ 11 Form, type F1, for Item No. 2.3/09	sq.m	0	28.	7.08	•	ō
/ 12 Form, type F2, for Item No. 2.3/09	sc.m	0	2.54	11.22	0	ō
/ 13 Reinforcing bars, for Item No. 2.3/09	× 50	0	0.4	0.16	0	0
/ 14 PVC waterstop, W=200 mm	lin.m	0	5.25	2.85	0	ठ
/ 15 Rubber joint filler, t=10 mm	Sq.m	0	7.16	6.30	0	0
/ 16 Bituminous coating	SG.TI	0	0.70	06.0	0	0
/ 17 Furnishing and installing trap	X N	0	0.57	0.35	0	0
Sub-total of Item No. 2.3					0	0
7.4 Masonry Revement, 19be 1	0	-	1 070 00	870.00	1 020	020
	j 8	• <	20.00	20.0	>	5
-		> !	C4.C	7.7	> (> (
•	cu.m	1,029	2.53	1.38	2,603	1,420
/ 04 Back filling	cu.m	93	0.40	1.30	37	121
/ O5 Geo-textile, t=1.5 mm	Sq.m	17	0.71	1.49	12	25
/ 06 Gravel bedding	ca.m	166	8.76	04.40	1,454	730
/ 07 Cobbie/rubble filling	G.H	57	8.76	4.40	499	251
/ 08 Wet cobble/rubble masonry, type 1	ca.m	348	18.60	14.50	6,473	5.046
/ 09 Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	Ö
/ 10 Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	S.B	398	24.80	11.30	9,870	4,497
/ 11 PVC pipe for weep hole, diam, 50 mm	lin.m	105	2.20	0.80	231	87
/ 12 Furnishing and driving wooden piles, diam. 15-18cm	lin.m	402	3.90	2.48	1,568	166
/ 13 Concrete, type 4, for foundation	ය.m	8	51.95	23.75	3,429	1,568
/ 14 Concrete, type 5, for leveling	ca.m	27	46.67	21.49	1,260	280
/ 15 Form, type F2, for Item No. 2,4/13	E.S.	340	2.54	11.22	864	3,815
/ 16 Reinforcing bars, for Item No. 2.4/13	X V	2,631	0. 44.	0.16	1,158	421
/ 17 Rubber joint filler, t-10 mm	sq.m	8	7.16	6.30	430	378
Circlette No. 24					30.058	20.803
סמטייטעם זוכות זיטי גיי					2000	200



ILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (5/12)

Theorem	Unit	Ouantity	Unit Price (USS)	e (USS)	Amount (USS)	(CSS)
No		· · · · · · · · · · · · · · · · · · ·	F.C.	L.C.	F.C.	Ľ.C.
2.5 Masonry Revetment, type II						
/ 01 Coffering and care of water including dewatering	L.S.	H	7,660.00	6,240.00	7.660	6,240
/ 02 Demolishing, hauling and disposing concrete structures	cn.m	0	3.81	3.51	ō	0
/ 03 Excavation	Ce.m	8,375	2.53	1.38	21,189	11,558
/ 04 Back filling	cu.m	737	0.40	1.30	295	958
•	Sq.m	132	0.71	1.49	94	197
	cu.m	915	8.76	4.40	8,015	4,026
_	cu.m	448	8.76	4.40	3,924	1,971
٠.	cu.m	3,524	18.60	14,50	65,546	51.098
_	Cu.m	0	29.00	13.10	0	0
_	cu.m	3,153	24.80		78,194	35,629
/ 11 PVC pipe for weep hole, diam, 50 mm	lin.m	830	2.20		1.826	664
1/12 Furnishing and driving wooden oiles, diam, 15-18cm	lin.m	3,165	3.90	2.48	12,344	7.849
/ 13 Concrete type 4, for foundation	G.H.	523	51.95	23.75	27,170	12,421
/ 14 Concrete type 5, for leveling	E:n	212	46.67		6,894	4,556
1 / 15 Form, two F2, for Item No. 2.5/13	SQ.III	2,695	2.54	11.22	6,845	30,238
/ 16 Reinforcing bars for Item No. 2.5/13	2	20.881	0.44		9,188	3,341
/ 17 Rubber joint filler, t-10 mm	S. E.	591	7.16	6.30	4,232	3,723
						077 74.
Sub-total Item No. 2.5	e				220,410	74,407
	. ·					
2.6 Concrete Ditch and Culvert	:				•	•
/ 01 Coffering and care of water including dewatering	S.		8.		0	• ·
/ 02 Demolishing, hauling and disposing concrete structures	cu.m	0	3.81		0	φ·
/ 03 Demolishing, hauling and disposing asphalt/masonry structures	cu.m	0	3.23		O	Ų į
/ 04 Excavation of channel including trench cut	cu.m	697	2.53		1.763	962
/ 05 Rubble bedding	cu.m	Ó	8.76		0	0
/ 06 Geo-textile, t=1.5mm	SQ.III	<u></u>	0.71		7	4
/ 07 Back filling	ca.m	185	0.40	1.30	74	241
/ 08 Gravel filter	cu.m		8.65			•
/ 09 PVC pipe for weep hole, diam. 50 mm	lin.m		2.20		26	2
ď	CG.TH	:	29.00		0) ;
/ 11 Gabion mattress, 3.0x1.5x0.5 m. galvanized wire	Cn.m	105	24.80	11.30	2,604	1,18/

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (6/12)

Townships (Anna	Thir	Onantity	Tinit Price (TISS)	(\$\$!1)	Amount (US\$)	(\$\$(1)
No.	<u> </u>		FC	LC	ъС	L.C.
/ 12 Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	120	74.64	8.30	8,957	966
	sd.m	120	10.93	3.82	1,312	458
/ 14 Fumishing RC piles, 250 mm x 250 mm	lin.m	0	6.93	4.17	0	ਨ
/ 15 Driving RC piles, for Item No. 2.6/14	lin.m	0	7.44	2.40	0	<u></u>
/ 16 Concrete, type 3, for blockout concrete	cu.m	0	52.68	24.06	0	0
/ 17 Concrete, type 4, for ditch and culvert	cn.m	202	51.95	23.75	10,494	4,798
/ 18 Concrete, type 5, for leveling	G.m	53	46.67	21.49	1,353	623
/ 19 Form, type F1, for Item Nos. 2.6/16 and 2.8/17	so.m	272	1.99	7.08	541	1.926
/ 20 Form, type F2, for Item Nos. 2.6/16 and 2.6/17	so.m	202	2.54	11.22	226	2,323
	×	12,117	0.44	0.16	5,331	1.939
	lin.m	57	525	2.85	299	162
	nos.	57	0.56	0.19	32	11
/ 24 Rubber joint filler, t= 10 mm	sd-m	0	7.16	6.30	0	ō
	SG.Th	8	0.70	0.00	4	18
	Ž,	0	06.0	0.56	0	<u></u>
/ 27 Furnishing and Installing steel mesh cover	Š	0	2.48	0.00	0	0
	, <u>S</u>	0	0.93	1.30	0	ō
	73	0	1.24	1.59	0	0
	sq.m	0	10.49	2.21	0	0
Sub-total of Item No. 2.6					33,337	15,662
TOTAL OF ITEM NO.2					382,402	246.588
3 DRAINAGE FACILITIES						
3.1 Sluiceway	- :				1	
/ 01 Coffering and care of water including dewatering	L.S.		1,070.00	870.00	1.070	870
/ 02 Demolishing, hauling and disposing existing concrete structures	ca.m	2	3.81	3.51	76	70
/ 03 Demolishing, hauling and disposing existing asphalt/masonry	G.13	38	3,23	2.47	123	94
		, .	2 62	30	707	71.0
/ O4 EXCEVEDOR INCIDENTS DESIGNATED (CO.)	3 5	101	0.40	30	. 84	157
/ OS Georestile 1=1.5 mm	Sc.m	4	0.71	1.49	3	9
1						

IL OF QUANTITIES FOR PACKAGE 3. GEDE/BOR (7/12)

					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1,100,11
Item	Description] -	Cuantity [Unit Price (USA	(029)	Amount (US)	(53)
Š				J.	ر ن	F.C.	L.C.
/ 02	Sod facing	m.ps	0	0.02	1.43	Ō	<u></u>
80/	Gravel bedding	cu.m	6	8.76	4.40	79	8
8	Cobble/rubble filling	ca.m	0	8.76	4.40	0	6
/ 10	Wet cobble/nubble masonry, type 2	cu.m	21	25.90	30.40	544	859
/ 11	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	ca.m	58	29.00	13.10	1,682	760
/ 12	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	cu.m	36	24.80	11.30	893	407
/ 13		lin.m	8	2.20	0.80	13	V
/ 14	Bitumen coating	sq.m	0	0.70	0.90	0	0
/ 15	Furnishing steel sheet pile, YSPF, W- 400mm	Sq.m	8	74.64	8.30	7,464	830
/ 16	Driving of steel sheet pile, for Item No. 3.1/15	sq.m	8	10.93	3.82	1,093	382
/ 17	Furnishing RC Piles, 250 mm x 250 mm	lin.m	474	6.93	4.17	3,285	1,977
/ 18	Driving of RC piles, for Item No. 3.1/17	sq.m	474	7.44	2.40	3,527	1.138
/ 19	Fumishing RC Piles, 300 mm x 300 mm	lin.m	0	88.6	5.93	0	0
7	Driving of RC piles, for Item No. 3.1/19	lin.m	0	7.44	2.40	0	0
/ 21	Concrete, type 3, for blockout concrete	cu.m	7	52.68	24.06	369	168
/ 22	•	cu.m	86	51.95	23.75	5,091	2,328
/ 23	Ĭ	Ci.m		46.67	21.49	513	236
124		cu.m	0.7	42.30	64.30	423	643
/ 25		m.ps	364	1.99	7.08	724	2.577
/ 26	-	sq.m	175	4.53	11.22	793	1,964
127		X 8	11,546	0.44	0.16	5.080	1.847
/ 28	: Joint bars, diam. 25mm, L-1m	nos.	0	0.56	0.19	0	Ö
/ 29		lin.m	0	5.25	2.85	0	0
/ 30	Rubber joint filler, t= 10 mm	sq.m	19	7.16	6.30	136	120
/ 31	Sub-base course	cu.m	0	6.30	2.80	0	0
/ 32	; Base-course	cu.m	0	9.60	8.90	0	0
/ 33	Asphalt pavement	SQ.m	0	3.60	2.40	O	Ō.
/ 34	Furnishing and installing traps	<u>۲</u>	0	0.57	0.35	0	0
/ 35	Steel galvanized pipe, diam. 1 1/4"	Х 20	0	0.93	1.30	0	0
/ 36	Steel galvanized pipe, diam, 3/4"	82	0	1.24	1.59	0	Ö
/ 37		ķ	0	0.73	0.41	0	0
/ 38	• •	žš.	4	2,668.00	297.00	10,672	1.188
	parts, W=0.7 m x H = 0.7 m						

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (8/12)

1				Lincia Dai	(3.22.2)	1	(110.0)
3	Description	3	Crantery	Olin Files (USS)	(000)	Amount (CSS)	(000)
Š				F.C.	L.C.	— О	L.C.
/ 39	Steel slide gate including hoist, guide frame, accessories and spare	set	0	3,068.00	341.00	Ō	0
	parts. W= 0.8 m x H = 0.8 m	:					
<u></u>	Steel slide gate including hoist, guide frame, accessories and spare	š	7	3,149.00	350.00	6,298	78
-	parts, W= 0.9 m x H = 0.9 m						
/ 41	Steel slide gate including hoist, guide frame, accessories and spare	Set	0	3,413.00	380.00	0	0
	parts, W= 1.0 m x H = 1.0 m	: :	:	:			
/ 42	Steel slide gate including hoist, guide frame, accessories and spare	ಟ್ಟ	0	3,705.00	412.00	0	O
	parts, W=1.1 m x H = 1.1 m						
/ 43	Steel slide gate including hoist, guide frame, accessories and spare	ä	0	3,975.00	442.00	0	0
	parts, W=1.2 m x H = 1.2 m						
44	Steel slide gate including hoist, guide frame, accessories and spare	š	0	4,580.00	209.00	0	0
				•	:		
/ 45	Timber stoplog, W = 2.3 m x H = 2.3 m	SS	0	1,576.00	1,576.00	0	ठ
7 46	Steel stand for portable hanger	ä	0	307.00	35.00	0	ō
/ 47	Portable hanger, handling tools and slings for 2.3mx2.3m stoplog	Se	0	383.00	43.00	0	0
c-ran							
Paint Partici	Sub-total of Item No. 3.1					51,492	19,959
,							
3.2	Connection Canal / Cross Drain						
10 /	Coffering and care of water including dewatering	L.S.	,	270.00	220.00	270	220
, 2	Trench excavation	ca.m	373	3.28	1.89	1.223	705
/ 03	Back filling with excavated materials	cu.m	55	0.40	1.30	30	86
/ 8	Gravel bedding	cu.m	69	8.76	8.4	604	304
/ 05	Concrete, type 4, for slab, strut and facing concrete of wet rubble	cu.m		51.95	23.75	25	77
	masonry				u-to-mornia		-
8	Concrete, type 5, for leveling	cu.m		46.67	21.49	47	21
/ 02	Form, type F2, for Item No. 3.2/05	sq.m	∞	2.54	8.75	20	70
80/	Reinforcing bars, for Item No. 3.2/05	Š	8	0.44	0.16	20	7
8	Rubber joint filler, t = 10 mm	S. E.	7	7.16	6.30	14	13
/ 10	Precast concrete culvert, 400x400mm	lin.m	19	25.40	12.20	483	232
/ 11	Precast concrete side ditch, U-type, 400x 400mm	lin.m	1,480	15.90	8.20	23,532	12,136
	Sub-total of Item No 3.2					26.205	13.830
	Sud-total of help inc. 5.4					40,4301	(200,01

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (9/12)

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Item Description		Chit	Quantity	Unit Price (US\$)	e (USS)	Amount (US\$)	(SS)
			:	В.С.	L.C.	F.C.	L.C.
TOTAL OF ITEM NO. 3		:	 			77.787	33,789
RRIDGE AND ROAD	:						
+ DANE OF PRINCE					M		
Care of Miver	1	5	•	27 720 00	10001	27 720	01101
Coffering and care of water inc	gung	3	٠٠٠ (20.07.12		27.74	
/ 02 Demolishing, hauling and disposing concrete structures	structures	ca.m	42	5.81	3.51	2	14/
/ 03 Demolishing, hauling and disposing asphalt/masonry structures	masonry structures	cu.m	387	3.23	2.47	1,250	956
/ 04 Demolishing, hauling and disposing steel members	mbers	ğ	4.0	16.60	46.20	8	185
Sub-total of Item No. 4.1						29,190	11,398
Country of the Conference of							
The second and decountry of the		Ç	-	214.00	8	C	C
runishing and driving less re pue,	١,	1103	> 0	3 %	200	· (
Furnishing and driving test PC pile,	type. L.	nos.	5	3.077	3.5	> (•
/ 03 Furnishing and driving test PC pile, 350 mm, A	I. A type, L-9 m	nos.		242.00	102.00	242	102
/ 04 Furnishing and driving test PC pile, 350 mm, A	. A type, L- 10 m	nos.	4	299.00	124.00	1,196	496
	1, A type, L-11 m	nos.	S	313.00	130.00	1,565	650
/ 06 Furnishing PC pile, 350 mm, A type, L-7 m		nos.	0	8.00	42.00	0	0
/ 07 Driving PC piles, for Item No. 4.2/06		lin.m	0	11.86	6.26	0	0
/ 08 Furnishing PC pile, 350 mm, A type, L-8 m	Ħ	nos.	0	112.00	48.00	0	0
/ 09 Driving PC piles, for Item No. 4.2/08		lin.m	0	10.38	5.48	0	0
/ 10 Furnishing PC pile, 350 mm, A type, L=9 m	E	nos.	<u></u>	126.00	54.00	378	162
/ 11 Driving PC piles, for Item No. 4.2/10		lin.m	21	9.23	4.87	194	102
/ 12 Furnishing PC pile, 350 mm, A type, L- 10 m	E C	nos.	4	140.00	00.00	6,160	2,640
		In m	352	8.30	4.38	2,922	1,542
/ 14 Furnishing PC pile, 350 mm, A type, L= 11 m	Ħ	nos.	43	155.00	86.80	6,665	2,838
/ 15 Driving PC piles, for Item No. 4.2/14		lin.m	387	7.55	3.98	2.922	1,540
/ 16 Concrete, type 2, for bridge slab, pier and abutment	outment	ca.m	182	53.78	24.54	9.788	4,466
/ 17 Concrete, type 5, for leveling, t = 10 cm.		ca.m		46.67	21.49	700	322
/ 18 Form, type F1, for Item Nos. 4.2/16 and 4.2/17	717	S. H.	443	1.98	7.08	885	3,136
/ 19 Reinforcing bars, for Item No. 4.2/16		Ķ	17,692	0.44	0.16	7,784	2,831
Sub-total of Item No. 4.2				1.7		41,398	20,827

BILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (10/12)

Item Description	Unit	Ouantity	Unit Price (USS)	(\$\$(1)	Amount (TISS)	(3511)
No.		 	J.H.	1	FC	
4.3 Superstructure						i i
1 01 Furnish and erection of PC girgder, H-450mm, L-10.5m, BM-70	Š,	0	747.00	335.00	0	C
/ 02 Furnish and erection of PC girgder, H-450mm, L-11.3m, BM-70	S.		801.00	358.00	0	· C
/ 03 Furnish and erection of PC girgder.H-550mm, L-14.1m, BM-70	S.	0	1,233.00	536.00	0	0
/ 04 Furnish and erection of PC girgder, H=550mm, L=14.9m, BM-70	Š.	0	1,305.00	568.00	0	6
/ 05 Furnish and erection of PC girgder, H-650mm, L-15.8m, BM-70	8	99	1,318.00	573.00	86,988	37.818
/ 06 Furnish and erection of PC girgder, H-700mm, L-15.8m, BM-70	2	4	1,327.00	578.00	5.308	2,312
107 Furnish and erection of PC girgder, H=550mm, L=13.5m, BM-100		0	1,184.00	515.00	0	O
/ 08 Furnish and erection of PC girgder, H-450mm, L-12.6m, Pedestrian	ž	0	914.00	399.00	0	0
/ 09 Furnish and erection of PC girgder, H-450mm, L-14.6m, Pedestrian	ጸ	m	1,054.00	459.00	3,162	1.377
/ 10 PC tendon and ancillary materials	lin.m	1,393	4.26	1.8	5,934	1,393
/ 11 Concrete, type 2, for lateral girder, side wall and in-situ slab	വേ.ന	188	53.78	24.54	10,111	4,614
/ 12 Concrete, type 4, for side walk	cu.m	14	51.95	23.75	727	333
	sq.m	818	3.86	8.86	3,157	7.247
/ 14 Reinforcing bars, for Item Nos. 4.3/11 and 4.3/12	kg	5,257	24.0	0.16	2,313	841
/ 15 Curb stone	lin.m	64.0	10.60	5.10	678	326
	Im.m	109.4	217.00	25.70	23,740	2.812
/ 17 Non-shrink mortar with grid bars, for shoe base	lit.	1,080	1.84	1.27	1,987	1.372
/ 18 Anchoring in fixed bearing shoe	nos.	63	12.02	6.48	757	408
/ 19 Anchoring in movable bearing shoe	nos.	63	10.60	6.31	899	398
	lin.m	284.4	41.40	11.30	11,774	3,214
	lin.m	31.6	174.00	27.00	5,498	853
/ 22 Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	∞	4.72	2.14	38	17
	nos.	28	4.15	2.08	116	58
/ 24 Drain pipe, D=75mm, L=40cm	nos.	4.0	2.37	1.62	O	9
Expansion joint, for road bridge	lin.m	123.0	306.00	42.00	37.638	5.166
_	lin.m	5.0	342.00	8.99	1,710	230
/ 2/ Asphait pavement	er es	63	71.10	48.60	4,479	3,062
Sub-total of Item No. 4.3				 	205 200	73 957
				- '	7777	2000
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SILL OF QUANTITIES FOR PACKAGE 3, GEDE/BOR (11/12)

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Item	Unit	Ouantity	Unit Price (US\$)	e (US\$)	Amount (US\$)	(USS)
			F.C.	L.C.	F.C.	L.C.
4.4 Approach Cushion Slab						
/ 01 Concrete, type 4, for slab	cu.m	0	51.95	23.75	0	0
/ 02 Form, type F1, for Item No. 4,4/01	sq.m	0	1.99	7.08	0	Ō
/ 03 Reinforcing bars, for Item No. 4.4/01	×	0	o. 4	0.16	Ö	0
Sub-toral of Item No. 4.4			•		0	0
4.5 Approach Road						
/ 01 Removal of existing concrete pavement	sq.m	2.956	3.81	3.51	11,262	10,376
/ 02 Removal of existing asphalt/base pavement	sq.m	5.669	3.23	2.47	18,311	14,002
/ 03 Excavation	cu.m	1,452	2.53	1.38	3,674	2,004
/ 04 Back filling	cu.m	1,029	0.40	1.30	412	1,338
/ 05 Wet rubble/cobble masonry for slope protection	ca.m	0	18.60	14.50	0	O
/ 06 Concrete, type 3, for approach step	cu.m	0	52.68	24.06	0	0
/ 07 Concrete, type 4, for side wall	cu.m	1.592	51.95	23.75	82,704	37,810
/ 08 Concrete, type 5, for foundation concrete	ca.m	450	46.67	21.49	21,002	9.671
/ 09 Form, type F1, for Item Nos. 4.5/06 and 4.5/07	S.m.	5,604	1.99	7.08	11.152	39.676
/ 10 Form, type F2, for Item Nos. 4.5/06 to 4.5/08	sg.m	828	2.54	8.75	2,103	7.245
/ 11 Reinforcing bars, for Item Nos. 4.5/06 and 4.5/07	× 00	8	0.44	0.16	044	91
/ 12 Precast concrete drain block, type 5a	nos.	0	6.40	3.40	0	0
/ 13 Precast concrete side ditch, 300 x 300 mm	lin.m	2,578	12.20	6.40	31,452	16,499
/ 14 Embankment and sub-grade	cu.m	4.071	3.53	2.34	14,371	9,526
/ 15 Sub-base course	cu.m	1,369	6.30	2.80	8,625	3,833
/ 16 Base course	ca.m	1,028	9.60	8.4	698'6	4,112
1.17 Asphalt pavement	cu.m	345	71.10	48.60	24,530	16,767
/ 18 Guardrail, concrete post	lin m	32	3.09	2.07	66	99
Sub-total of Item No. 4.5		· · · · · · · · · · · · · · · · · · ·			240.006	173,085
TOTAL OF ITEM NO. 4					517,392	279,167
	:					-

Item Description	Unit	Unit Quantity	Unit Price (US\$)	(\$SD)	Amount (USS)	(SSO)
No.		- 	F.C.	L.C.	F.C.	L.C.
SUMMARY OF AMOUNT						
No. 0 GENERAL ITEM		-		***************************************	61.841	63,502
No. 1 RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES					0	192,660
No. 2 DRAINAGE CHANNEL				<u> </u>	382,402	246,588
No. 3 DRAINAGE FACILITIES					777.787	33,789
No. 4 BRIDGE AND ROAD					517,392	279,167
				-		1
TOTAL OF CONSTRUCTION COST					1,039,422	815,706
EQUIVALENT TO (US\$)			· .	***************************************	1,855,128	128
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