

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (1/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
0	<b>GENERAL ITEM</b>						
/ 01	Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas	L.S.	0.639	14,600.00	9,100.00	9,329	5,815
/ 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.	0.639	34,700.00	20,600.00	22,173	13,163
/ 03	Construction, operation, maintenance and subsequent removal of the Engineer's office	L.S.	0.639	0.00	46,800.00	0	29,905
/ 04	Furnishing of office furniture required for the temporary Engineer's office	P.S.	0.639	2,000.00	2,300.00	1,278	1,470
/ 05	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.	0.639	50,300.00	153,100.00	32,142	97,831
/ 06	Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing instruments and apparatus	L.S.	0.639	10,900.00	5,400.00	6,965	3,451
/ 07	Provision of first aid kit boxes in all sites and an ambulance with driver	L.S.	0.639	21,600.00	15,100.00	13,802	9,649
/ 08	Installation, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage systems	L.S.	0.639	9,980.00	10,880.00	6,377	6,952
/ 09	Installation, operation, maintenance and subsequent removal of temporary electric supply system	L.S.	0.639	54,800.00	9,670.00	35,017	6,179
/ 10	Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites	L.S.	0.639	27,530.00	13,480.00	17,592	8,614
/ 11	Boreholes and exploratory excavation	P.S.	0.639	1,280.00	740.00	818	473

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (2/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 12	All risk insurance of works for permanent and temporary facilities, and insurance for third parties	L.S.	0.639	12,900.00	8,300.00	8,243	5,304
/ 13	Provision of safety equipment and instruments for laborers, and installation, maintenance and subsequent removal of safety instruments and sign boards	L.S.	0.639	10,000.00	5,000.00	6,390	3,195
/ 14	Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.639	3,670.00	980.00	2,346	626
/ 15	Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.639	53,760.00	15,840.00	34,353	10,122
/ 16	Topographic survey	P.S.	0.639	40,600.00	43,500.00	25,943	27,797
/ 17	Site clearance in acquired areas with houses and other buildings	sq.m	50,496	1.01	0.62	51,001	31,308
<b>TOTAL OF ITEM NO.0</b>						<b>273,769</b>	<b>261,854</b>
<b>1</b>	<b>RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES</b>						
/ 01	Public utilities subject to relocation/reconstruction for electricity facilities	P.S.	1	0.00	214,200.00	0	214,200
/ 02	Public utilities subject to relocation/reconstruction for water supply/drainage facilities	P.S.	1	0.00	1,700.00	0	1,700
/ 03	Public utilities subject to relocation/reconstruction for communication facilities	P.S.	1	0.00	1,680.00	0	1,680
/ 04	Public utilities subject to relocation/reconstruction for other facilities	P.S.	1	0.00	0.00	0	0
<b>TOTAL OF ITEM NO.1</b>						<b>0</b>	<b>217,580</b>

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (3/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
<b>2</b>	<b>DRAINAGE CHANNEL</b>						
2.1	Drainage Channel	cu.m	28,316	2.53	1.38	71,640	39,076
/ 01	Excavation	cu.m	4,019	3.23	2.47	12,981	9,927
/ 02	Demolishing, hauling and disposing asphalt/masonry structures						
	Sub-total of Item No. 2.1					84,621	49,003
2.2	Levee and Inspection/Relocation Road	L.S.	1	2,670.00	2,180.00	2,670	2,180
/ 01	Coffering and care of water including dewatering	sq.m	31,350	0.86	0.47	26,961	14,735
/ 02	Stripping, grubbing and clearing	cu.m	15,583	2.53	1.38	39,425	21,505
/ 03	Excavation	cu.m	31,577	3.53	2.34	111,467	73,890
/ 04	Embankment	cu.m	293	0.40	1.30	117	381
/ 05	Back filling with selected material	cu.m	864	0.30	1.10	259	950
/ 06	Filling-up by random material	sq.m	24,448	0.71	1.49	17,358	36,428
/ 07	Geo-textile, t=1.5mm	sq.m	9,984	0.02	1.43	200	14,277
/ 08	Sod facing	cu.m	17,828	29.00	13.10	517,012	233,547
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	3,145	6.30	2.80	19,814	8,806
/ 10	Sub-base course	cu.m	2,360	9.60	4.00	22,654	9,439
/ 11	Base course	sq.m	15,715	3.60	2.40	56,574	37,716
/ 12	Asphalt pavement						
	Sub-total of Item No. 2.2					814,511	453,854
2.3	Concrete Parapet Wall	L.S.	1	0.00	0.00	0	0
/ 01	Coffering and care of water including dewatering	cu.m	4,889	2.53	1.38	12,369	6,747
/ 02	Excavation for footing of parapet wall	cu.m	2,310	0.40	1.30	924	3,003
/ 03	Back filling with selected material	cu.m	856	29.00	13.10	24,824	11,214
/ 04	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	sq.m	4,877	74.64	8.30	364,019	40,479
/ 05	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	4,877	10.93	3.82	53,306	18,630
/ 06	Driving steel sheet pile, for Item No. 2.3/05	lin.m	10,476	6.93	4.17	72,599	43,685
/ 07	Furnishing RC piles, 250 x 250 mm	lin.m	10,476	7.44	2.40	77,941	25,142
/ 08	Driving RC piles, for Item No. 2.3/07	cu.m	2,065	51.95	23.75	107,277	49,044
/ 09	Concrete, type 4, for footing and wall						

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (4/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 10	Concrete, type 5, for leveling	cu.m	321	46.67	21.49	14,981	6,898
/ 11	Form, type F1, for Item No. 2.3/09	sq.m	1,080	1.99	7.08	2,149	7,646
/ 12	Form, type F2, for Item No. 2.3/09	sq.m	4,371	2.54	11.22	11,102	49,043
/ 13	Reinforcing bars, for Item No. 2.3/09	kg	165,011	0.44	0.16	72,605	26,402
/ 14	PVC waterstop, W=200 mm	lin.m	5,693	5.25	2.85	29,888	16,225
/ 15	Rubber joint filler, t=10 mm	sq.m	2	7.16	6.30	14	13
/ 16	Bituminous coating	sq.m	350	0.70	0.90	245	315
/ 17	Furnishing and installing trap	kg	602	0.57	0.35	343	211
	Sub-total of Item No. 2.3					844,586	304,697
2.4	Masonry Revetment, Type I						
/ 01	Coffering and care of water including dewatering	L.S.	1	21,020.00	17,110.00	21,020	17,110
/ 02	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	261	3.23	2.47	843	645
/ 03	Excavation	cu.m	9,392	2.53	1.38	23,761	12,961
/ 04	Back filling	cu.m	843	0.40	1.30	337	1,096
/ 05	Geo-textile, t=1.5 mm	sq.m	131	0.71	1.49	93	195
/ 06	Gravel bedding	cu.m	1,297	8.76	4.40	11,362	5,707
/ 07	Cobble/rubble filling	cu.m	513	8.76	4.40	4,494	2,257
/ 08	Wet cobble/rubble masonry, type 1	cu.m	2,621	18.60	14.50	48,751	38,005
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	3,599	29.00	13.10	104,371	47,147
/ 10	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	cu.m	0	24.80	11.30	0	0
/ 11	PVC pipe for weep hole, diam. 50 mm	lin.m	774	2.20	0.80	1,703	619
/ 12	Furnishing and driving wooden piles, diam. 15-18cm	lin.m	3,630	3.90	2.48	14,157	9,002
/ 13	Concrete, type 4, for foundation	cu.m	599	51.95	23.75	31,118	14,226
/ 14	Concrete, type 5, for leveling	cu.m	238	46.67	21.49	11,107	5,115
/ 15	Form, type F2, for Item No. 2.4/13	sq.m	3,011	2.54	11.22	7,648	33,783
/ 16	Reinforcing bars, for Item No. 2.4/13	kg	23,857	0.44	0.16	10,497	3,817
/ 17	Rubber joint filler, t=10 mm	sq.m	445	7.16	6.30	3,186	2,804
	Sub-total Item No. 2.4					294,448	194,489

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (5/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
2.5	Masonry Revetment, type II	L.S.	1	6,590.00	5,370.00	6,590	5,370
/ 01	Coffering and care of water including dewatering	cu.m	34	3.81	3.51	130	119
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	8,382	2.53	1.38	21,206	11,567
/ 03	Excavation	cu.m	631	0.40	1.30	252	820
/ 04	Back filling	sq.m	134	0.71	1.49	95	200
/ 05	Geo-textile, t=1.5 mm	cu.m	960	8.76	4.40	8,410	4,224
/ 06	Gravel bedding	cu.m	384	8.76	4.40	3,364	1,690
/ 07	Cobble/rubble filling	cu.m	3,531	18.60	14.50	65,677	51,200
/ 08	Wet cobble/rubble masonry, type I	cu.m	2,700	29.00	13.10	78,300	35,370
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	24.80	11.30	0	0
/ 10	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	lin.m	840	2.20	0.80	1,848	672
/ 11	PVC pipe for weep hole, diam. 50 mm	lin.m	2,718	3.90	2.48	10,600	6,741
/ 12	Furnishing and driving wooden piles, diam. 15-18cm	cu.m	443	51.95	23.75	23,014	10,521
/ 13	Concrete, type 4, for foundation	cu.m	189	46.67	21.49	8,821	4,062
/ 14	Concrete, type 5, for leveling	sq.m	2,348	2.54	11.22	5,964	26,343
/ 15	Form, type F2, for Item No. 2.5/13	kg	17,625	0.44	0.16	7,755	2,820
/ 16	Reinforcing bars, for Item No. 2.5/13	sq.m	595	7.16	6.30	4,260	3,749
/ 17	Rubber joint filler, t=10 mm						
	Sub-total Item No. 2.5					246,286	165,468
2.6	Concrete Ditch and Culvert	L.S.	1	58,450.00	37,880.00	58,450	37,880
/ 01	Coffering and care of water including dewatering	cu.m	0	3.81	3.51	0	0
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	0	3.23	2.47	0	0
/ 03	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	11,452	2.53	1.38	28,974	15,804
/ 04	Excavation of channel including trench cut	cu.m	0	8.76	4.40	0	0
/ 05	Rubble bedding	sq.m	45	0.71	1.49	32	67
/ 06	Geo-textile, t=1.5mm	cu.m	2,477	0.40	1.30	991	3,220
/ 07	Back filling	cu.m	15	8.65	4.47	130	67
/ 08	Gravel filter	lin.m	237	2.20	0.80	521	190
/ 09	PVC pipe for weep hole, diam. 50 mm	cu.m	10	29.00	13.10	290	131
/ 10	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	24.80	11.30	0	0
/ 11	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire						

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (6/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 12	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	0	74.64	8.30	0	0
/ 13	Driving steel sheet pile, for Item No. 2.6/12	sq.m	0	10.93	3.82	0	0
/ 14	Furnishing RC piles, 250 mm x 250 mm	lin.m	7,164	6.93	4.17	49,647	29,874
/ 15	Driving RC piles, for Item No. 2.6/14	lin.m	7,164	7.44	2.40	53,300	17,194
/ 16	Concrete, type 3, for blockout concrete	cu.m	3	52.68	24.06	158	72
/ 17	Concrete, type 4, for ditch and culvert	cu.m	3,712	51.95	23.75	192,835	88,159
/ 18	Concrete, type 5, for leveling	cu.m	467	46.67	21.49	21,795	10,036
/ 19	Form, type F1, for Item Nos. 2.6/16 and 2.8/17	sq.m	2,822	1.99	7.08	5,616	19,980
/ 20	Form, type F2, for Item Nos. 2.6/16 and 2.6/17	sq.m	1,999	2.54	11.22	5,077	22,429
/ 21	Reinforcing bars, for Item Nos. 2.6/16 and 2.6/17	kg	220,740	0.44	0.16	97,126	35,318
/ 22	PVC waterstop, W=200mm	lin.m	790	5.25	2.85	4,148	2,252
/ 23	Joint bar, diam. 25 mm, L= 1m	nos.	0	0.56	0.19	0	0
/ 24	Rubber joint filler, t= 10 mm	sq.m	3	7.16	6.30	21	19
/ 25	Bitumen coating	sq.m	448	0.70	0.90	314	403
/ 26	Furnishing and installing of trashrack and accessories	kg	8,699	0.90	0.56	7,829	4,871
/ 27	Furnishing and installing steel mesh cover	kg	54,150	2.48	0.99	134,292	53,609
/ 28	Galvanized steel pipe, diam. 1 1/4"	kg	0	0.93	1.30	0	0
/ 29	Galvanized steel pipe, diam. 3/4"	kg	0	1.24	1.59	0	0
/ 30	Fence, H=2.5m	sq.m	122	10.49	2.21	1,280	270
	Sub-total of Item No. 2.6					662,826	341,845
	<b>TOTAL OF ITEM NO.2</b>					<b>2,947,278</b>	<b>1,509,356</b>
<b>3</b>	<b>DRAINAGE FACILITIES</b>						
3.1	Stuiceway						
/ 01	Coffering and care of water including dewatering	L.S.	1	3,560.00	2,900.00	3,560	2,900
/ 02	Demolishing, hauling and disposing existing concrete structures	cu.m	45	3.81	3.51	171	158
/ 03	Demolishing, hauling and disposing existing asphalt/masonry structures	cu.m	74	3.23	2.47	239	183
/ 04	Excavation including trench cut	cu.m	3,035	2.53	1.38	7,679	4,188
/ 05	Back filling with selected materials	cu.m	710	0.40	1.30	284	923
/ 06	Geo-textile, t=1.5 mm	sq.m	15	0.71	1.49	11	22

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (7/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 07	Sod facing	sq.m	62	0.02	1.43	1	89
/ 08	Gravel bedding	cu.m	172	8.76	4.40	1,507	757
/ 09	Cobble/rubble filling	cu.m	41	8.76	4.40	359	180
/ 10	Wet cobble/rubble masonry, type 2	cu.m	368	25.90	30.40	9,531	11,187
/ 11	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	241	29.00	13.10	6,989	3,157
/ 12	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	cu.m	0	24.80	11.30	0	0
/ 13	PVC pipe for weep hole, diam. 50mm	lin.m	33	2.20	0.80	73	26
/ 14	Bitumen coating	sq.m	110	0.70	0.90	77	99
/ 15	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	291	74.64	8.30	21,720	2,415
/ 16	Driving of steel sheet pile, for Item No. 3.1/15	sq.m	291	10.93	3.82	3,181	1,112
/ 17	Furnishing RC Piles, 250 mm x 250 mm	lin.m	929	6.93	4.17	6,438	3,874
/ 18	Driving of RC piles, for Item No. 3.1/17	sq.m	929	7.44	2.40	6,912	2,230
/ 19	Furnishing RC Piles, 300 mm x 300 mm	lin.m	560	9.88	5.93	5,533	3,321
/ 20	Driving of RC piles, for Item No. 3.1/19	lin.m	560	7.44	2.40	4,166	1,344
/ 21	Concrete, type 3, for blackout concrete	cu.m	24	52.68	24.06	1,264	577
/ 22	Concrete, type 4, for sluiceway structures & revetment	cu.m	836	51.95	23.75	43,430	19,855
/ 23	Concrete, type 5, for leveling	cu.m	95	46.67	21.49	4,434	2,042
/ 24	Base mortar	cu.m	88	42.30	64.30	3,722	5,658
/ 25	Form, type F1, for Item Nos. 3.1/21 and 3.1/22	sq.m	2,230	1.99	7.08	4,438	15,788
/ 26	Form, type F2, for Item Nos. 3.1/21 and 5.1/22	sq.m	726	4.53	11.22	3,289	8,146
/ 27	Reinforcing bars, for Item Nos. 3.1/21 and 3.1/22	kg	100,444	0.44	0.16	44,195	16,071
/ 28	Joint bars, diam. 25mm, L=1m	nos.	68	0.56	0.19	38	13
/ 29	PVC waterstop, W=200mm	lin.m	65	5.25	2.85	341	185
/ 30	Rubber joint filler, t= 10 mm	sq.m	14	7.16	6.30	100	88
/ 31	Sub-base course	cu.m	22	6.30	2.80	139	62
/ 32	Base-course	cu.m	16	9.60	4.00	154	64
/ 33	Asphalt pavement	sq.m	106	3.60	2.40	382	254
/ 34	Furnishing and installing traps	kg	125	0.57	0.35	71	44
/ 35	Steel galvanized pipe, diam. 1 1/4"	kg	28	0.93	1.30	26	36
/ 36	Steel galvanized pipe, diam. 3/4"	kg	61	1.24	1.59	76	97
/ 37	Embedded metal for stoplog groove	kg	260	0.73	0.41	190	107
/ 38	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.7 m x H = 0.7 m	set	1	2,668.00	297.00	2,668	297

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (8/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 39	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 0.8 m x H = 0.8 m	set	1	3,068.00	341.00	3,068	341
/ 40	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 0.9 m x H = 0.9 m	set	5	3,149.00	350.00	15,745	1,750
/ 41	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.0 m x H = 1.0 m	set	4	3,413.00	380.00	13,652	1,520
/ 42	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.1 m x H = 1.1 m	set	4	3,705.00	412.00	14,820	1,648
/ 43	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.2 m x H = 1.2 m	set	1	3,975.00	442.00	3,975	442
/ 44	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.5 m x H = 1.3 m	set	5	4,580.00	509.00	22,900	2,545
/ 45	Timber stoplog, W = 2.3 m x H = 2.3 m	set	2	1,576.00	1,576.00	3,152	3,152
/ 46	Steel stand for portable hanger	set	10	307.00	35.00	3,070	350
/ 47	Portable hanger, handling tools and slings for 2.3mx2.3m stoplog	set	2	383.00	43.00	766	86
	Sub-total of Item No. 3.1					268,536	119,383
3.2	Connection Canal / Cross Drain						
/ 01	Coffering and care of water including dewatering	L.S.	1	1,070.00	870.00	1,070	870
/ 02	Trench excavation	cu.m	1,950	3.28	1.89	6,396	3,686
/ 03	Back filling with excavated materials	cu.m	378	0.40	1.30	151	491
/ 04	Gravel bedding	cu.m	329	8.76	4.40	2,880	1,447
/ 05	Concrete, type 4, for slab, strut and facing concrete of wet rubble masonry	cu.m	0	51.95	23.75	0	0
/ 06	Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	0
/ 07	Form, type F2, for Item No. 3.2/05	sq.m	0	2.54	8.75	0	0
/ 08	Reinforcing bars, for Item No. 3.2/05	kg	0	0.44	0.16	0	0
/ 09	Rubber joint filler, t = 10 mm	sq.m	0	7.16	6.30	0	0
/ 10	Precast concrete culvert, 400x400mm	lin.m	27	25.40	12.20	686	329
/ 11	Precast concrete side ditch, U-type, 400x400mm	lin.m	7,859	15.90	8.20	124,958	64,444
	Sub-total of Item No. 3.2					136,141	71,267



**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (9/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
<b>TOTAL OF ITEM NO. 3</b>							
4	<b>BRIDGE AND ROAD</b>						
4.1	Care of River						
/ 01	Coffering and care of water including dewatering	L.S.	1	64,680.00	23,590.00	64,680	23,590
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	189	3.81	3.51	720	663
/ 03	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	672	3.23	2.47	2,171	1,660
/ 04	Demolishing, hauling and disposing steel members	ton	6.7	16.60	46.20	111	310
<b>Sub-total of Item No. 4.1</b>							
4.2	<b>Foundation and Substructure</b>						
/ 01	Furnishing and driving test PC pile, 350 mm, A type, L= 7 m	nos.	2	214.00	90.00	428	180
/ 02	Furnishing and driving test PC pile, 350 mm, A type, L= 8 m	nos.	4	228.00	96.00	912	384
/ 03	Furnishing and driving test PC pile, 350 mm, A type, L= 9 m	nos.	4	242.00	102.00	968	408
/ 04	Furnishing and driving test PC pile, 350 mm, A type, L= 10 m	nos.	2	299.00	124.00	598	248
/ 05	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	1	313.00	130.00	313	130
/ 06	Furnishing PC pile, 350 mm, A type, L= 7 m	nos.	22	98.00	42.00	2,156	924
/ 07	Driving PC piles, for Item No. 4.2/06	lin.m	115	11.86	6.26	1,364	720
/ 08	Furnishing PC pile, 350 mm, A type, L= 8 m	nos.	12	112.00	48.00	1,344	576
/ 09	Driving PC piles, for Item No. 4.2/08	lin.m	113	10.38	5.48	1,175	621
/ 10	Furnishing PC pile, 350 mm, A type, L= 9 m	nos.	40	126.00	54.00	5,040	2,160
/ 11	Driving PC piles, for Item No. 4.2/10	lin.m	273	9.23	4.87	2,520	1,330
/ 12	Furnishing PC pile, 350 mm, A type, L= 10 m	nos.	26	140.00	60.00	3,640	1,560
/ 13	Driving PC piles, for Item No. 4.2/12	lin.m	208	8.30	4.38	1,726	911
/ 14	Furnishing PC pile, 350 mm, A type, L= 11 m	nos.	11	155.00	66.00	1,705	726
/ 15	Driving PC piles, for Item No. 4.2/14	lin.m	99	7.55	3.98	747	394
/ 16	Concrete, type 2, for bridge slab, pier and abutment	cu.m	239	53.78	24.54	12,853	5,865
/ 17	Concrete, type 5, for leveling, t = 10 cm.	cu.m	23	46.67	21.49	1,073	494
/ 18	Form, type F1, for Item Nos. 4.2/16 and 4.2/17	sq.m	580	1.99	7.08	1,154	4,106
/ 19	Reinforcing bars, for Item No. 4.2/16	kg	24,544	0.44	0.16	10,799	3,927
<b>Sub-total of Item No. 4.2</b>							
						50,515	25,664

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (10/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
4.3	Superstructure						
/ 01	Furnish and erection of PC girder, H=450mm, L=10.5m, BM-70	pc.	12	747.00	335.00	8,964	4,020
/ 02	Furnish and erection of PC girder, H=450mm, L=11.3m, BM-70	pc.	10	801.00	358.00	8,010	3,580
/ 03	Furnish and erection of PC girder, H=550mm, L=14.1m, BM-70	pc.	8	1,233.00	536.00	9,864	4,288
/ 04	Furnish and erection of PC girder, H=550mm, L=14.9m, BM-70	pc.	8	1,305.00	568.00	10,440	4,544
/ 05	Furnish and erection of PC girder, H=650mm, L=15.8m, BM-70	pc.	34	1,318.00	573.00	44,812	19,482
/ 06	Furnish and erection of PC girder, H=700mm, L=15.8m, BM-70	pc.	0	1,327.00	578.00	0	0
/ 07	Furnish and erection of PC girder, H=550mm, L=13.5m, BM-100	pc.	32	1,184.00	515.00	37,888	16,480
/ 08	Furnish and erection of PC girder, H=450mm, L=12.6m, Pedestrian	pc.	9	914.00	399.00	8,226	3,591
/ 09	Furnish and erection of PC girder, H=450mm, L=14.6m, Pedestrian	pc.	3	1,054.00	459.00	3,162	1,377
/ 10	PC tendon and ancillary materials	lin.m	1,406	4.26	1.00	5,990	1,406
/ 11	Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	211	53.78	24.54	11,349	5,179
/ 12	Concrete, type 4, for side walk	cu.m	12	51.95	23.75	623	285
/ 13	Form, type F1, for Item Nos. 4.3/11 and 4.3/12	sq.m	880	3.86	8.86	3,397	7,797
/ 14	Reinforcing bars, for Item Nos. 4.3/11 and 4.3/12	kg	5,792	0.44	0.16	2,548	927
/ 15	Curb stone	lin.m	32.0	10.60	5.10	339	163
/ 16	Rubber bearing pad, t=33mm, W=150mm	lin.m	82.0	217.00	25.70	17,794	2,107
/ 17	Non-shrink mortar with grid bars, for shoe base	lit.	1,780	1.84	1.27	3,275	2,261
/ 18	Anchoring in fixed bearing shoe	nos.	95	12.02	6.48	1,142	616
/ 19	Anchoring in movable bearing shoe	nos.	95	10.60	6.31	1,007	599
/ 20	Guard pipe for Road bridge, H=0.4m	lin.m	255.6	41.40	11.30	10,582	2,888
/ 21	Guard pipe for pedestrian bridge, H=1.0m	lin.m	114.2	174.00	27.00	19,871	3,083
/ 22	Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	4	4.72	2.14	19	9
/ 23	Drain pipe, D=75mm, L=70cm	nos.	32	4.15	2.08	133	67
/ 24	Drain pipe, D=75mm, L=40cm	nos.	16	2.37	1.62	38	26
/ 25	Expansion joint, for road bridge	lin.m	162.4	306.00	42.00	49,694	6,821
/ 26	Expansion joint, for pedestrian and in-situ slab bridges	lin.m	20.0	342.00	46.00	6,840	920
/ 27	Asphalt pavement	cu.m	93	71.10	48.60	6,612	4,520
Sub-total of Item No. 4.3						272,619	97,036

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (11/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
4.4	Approach Cushion Slab	cu.m	44	51.95	23.75	2,286	1,045
/ 01	Concrete, type 4, for slab	sq.m	146	1.99	7.08	291	1,034
/ 02	Form, type F1, for Item No. 4.4/01	kg	5,280	0.44	0.16	2,323	845
/ 03	Reinforcing bars, for Item No. 4.4/01						
	Sub-total of Item No. 4.4					4,900	2,924
4.5	Approach Road	sq.m	6,641	3.81	3.51	25,302	23,310
/ 01	Removal of existing concrete pavement	sq.m	3,006	3.23	2.47	9,709	7,425
/ 02	Removal of existing asphalt/base pavement	cu.m	1,216	2.53	1.38	3,076	1,678
/ 03	Excavation	cu.m	967	0.40	1.30	387	1,257
/ 04	Back filling	cu.m	1,233	18.60	14.50	22,937	17,881
/ 05	Wet rubble/cobble masonry for slope protection	cu.m	10	52.68	24.06	527	241
/ 06	Concrete, type 3, for approach step	cu.m	893	51.95	23.75	46,391	21,209
/ 07	Concrete, type 4, for side wall	cu.m	381	46.67	21.49	17,781	8,188
/ 08	Concrete, type 5, for foundation concrete	sq.m	5,280	1.99	7.08	10,507	37,382
/ 09	Form, type F1, for Item Nos. 4.5/06 and 4.5/07	sq.m	769	2.54	8.75	1,953	6,729
/ 10	Form, type F2, for Item Nos. 4.5/06 to 4.5/08	kg	4,440	0.44	0.16	1,954	710
/ 11	Reinforcing bars, for Item Nos. 4.5/06 and 4.5/07	nos.	4,530	6.40	3.40	28,992	15,402
/ 12	Precast concrete drain block, type 5a	lin.m	2,718	12.20	6.40	33,160	17,395
/ 13	Precast concrete side ditch, 300 x 300 mm	cu.m	3,409	3.53	2.34	12,034	7,977
/ 14	Embankment and sub-grade	cu.m	1,474	6.30	2.80	9,286	4,127
/ 15	Sub-base course	cu.m	1,107	9.60	4.00	10,627	4,428
/ 16	Base course	cu.m	373	71.10	48.60	26,520	18,128
/ 17	Asphalt pavement	lin.m	141	3.09	2.07	436	292
/ 18	Guardrail, concrete post						
	Sub-total of Item No. 4.5					261,579	193,759
	<b>TOTAL OF ITEM NO. 4</b>					<b>657,295</b>	<b>345,606</b>

**BILL OF QUANTITIES FOR PACKAGE 3, SALURAN CENGKARENG (12/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
	<b>SUMMARY OF AMOUNT</b>						
No. 0	GENERAL ITEM					273,769	261,854
No. 1	RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES					0	217,580
No. 2	DRAINAGE CHANNEL					2,947,278	1,509,356
No. 3	DRAINAGE FACILITIES					404,677	190,650
No. 4	BRIDGE AND ROAD					657,295	345,606
	<b>TOTAL OF CONSTRUCTION COST EQUIVALENT TO (US\$)</b>					4,283,019	2,525,046
						6,808,065	

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (1/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
0	<b>GENERAL ITEM</b>						
/ 01	Construction, maintenance and subsequent removal of temporary access roads including temporary bridges to various working areas	L.S.	0.187	14,600.00	9,100.00	2,730	1,702
/ 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.	0.187	34,700.00	20,600.00	6,489	3,852
/ 03	Construction, operation, maintenance and subsequent removal of the Engineer's office	L.S.	0.187	0.00	46,800.00	0	8,752
/ 04	Furnishing of office furniture required for the temporary Engineer's office	P.S.	0.187	2,000.00	2,300.00	374	430
/ 05	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.	0.187	50,300.00	153,100.00	9,406	28,630
/ 06	Construction, operation, maintenance and subsequent removal of the Contractor's laboratory, including provision of necessary testing instruments and apparatus	L.S.	0.187	10,900.00	5,400.00	2,038	1,010
/ 07	Provision of first aid kit boxes in all sites and an ambulance with driver	L.S.	0.187	21,600.00	15,100.00	4,039	2,824
/ 08	Installation, operation, maintenance and subsequent removal of temporary water supply system including drainage and sewage systems	L.S.	0.187	9,980.00	10,880.00	1,866	2,035
/ 09	Installation, operation, maintenance and subsequent removal of temporary electric supply system	L.S.	0.187	54,800.00	9,670.00	10,248	1,808
/ 10	Installation, operation, maintenance and subsequent removal of temporary telecommunication system connecting with office, work shops and construction sites	L.S.	0.187	27,530.00	13,480.00	5,148	2,521
/ 11	Boreholes and exploratory excavation	P.S.	0.187	1,280.00	740.00	239	138

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (2/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 12	All risk insurance for permanent and temporary facilities, and insurance for third parties	L.S.	0.187	12,900.00	8,300.00	2,412	1,552
/ 13	Provision of safety equipment and instruments for laborers, and installation, maintenance and subsequent removal of safety instruments and sign boards	L.S.	0.187	10,000.00	5,000.00	1,870	935
/ 14	Furnishing of survey equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.187	3,670.00	980.00	686	183
/ 15	Furnishing, operation and maintenance of transportation equipment for the Engineer's use and subsequent hand over it to the Engineer	L.S.	0.187	53,760.00	15,840.00	10,053	2,962
/ 16	Topographic survey	P.S.	0.187	40,600.00	43,500.00	7,592	8,135
/ 17	Site clearance in acquired areas with houses and other buildings	sq.m	10,520	1.01	0.62	10,625	6,522
<b>TOTAL OF ITEM NO.0</b>						<b>75,815</b>	<b>73,991</b>
<b>1</b>	<b>RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES</b>						
/ 01	Public utilities subject to relocation/reconstruction for electricity facilities	P.S.	1	0.00	25,500.00	0	25,500
/ 02	Public utilities subject to relocation/reconstruction for water supply/drainage facilities	P.S.	1	0.00	0.00	0	0
/ 03	Public utilities subject to relocation/reconstruction for communication facilities	P.S.	1	0.00	26,130.00	0	26,130
/ 04	Public utilities subject to relocation/reconstruction for other facilities	P.S.	1	0.00	0.00	0	0
<b>TOTAL OF ITEM NO.1</b>						<b>0</b>	<b>51,630</b>

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (3/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
2	<b>DRAINAGE CHANNEL</b>						
2.1	Drainage Channel	cu.m	0	2.53	1.38	0	0
/ 01	Excavation	cu.m	0	3.23	2.47	0	0
/ 02	Demolishing, hauling and disposing asphalt/masonry structures						
	Sub-total of Item No. 2.1					0	0
2.2	<b>Levee and Inspection/Relocation Road</b>						
/ 01	Coffering and care of water including dewatering	L.S.	1	0.00	0.00	0	0
/ 02	Stripping, grubbing and clearing	sq.m	0	0.86	0.47	0	0
/ 03	Excavation	cu.m	0	2.53	1.38	0	0
/ 04	Embankment	cu.m	4,617	3.53	2.34	16,298	10,804
/ 05	Back filling with selected material	cu.m	0	0.40	1.30	0	0
/ 06	Filling-up by random material	cu.m	0	0.30	1.10	0	0
/ 07	Geo-textile, t=1.5mm	sq.m	0	0.71	1.49	0	0
/ 08	Sod facing	sq.m	0	0.02	1.43	0	0
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	0
/ 10	Sub-base course	cu.m	701	6.30	2.80	4,416	1,963
/ 11	Base course	cu.m	526	9.60	4.00	5,050	2,104
/ 12	Asphalt pavement	sq.m	3,505	3.60	2.40	12,618	8,412
	Sub-total of Item No. 2.2					38,382	23,283
2.3	<b>Concrete Parapet Wall</b>						
/ 01	Coffering and care of water including dewatering	L.S.	1	0.00	0.00	0	0
/ 02	Excavation for footing of parapet wall	cu.m	0	2.53	1.38	0	0
/ 03	Back filling with selected material	cu.m	0	0.40	1.30	0	0
/ 04	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	0
/ 05	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	0	74.64	8.30	0	0
/ 06	Driving steel sheet pile, for Item No. 2.3/05	sq.m	0	10.93	3.82	0	0
/ 07	Furnishing RC piles, 250 x 250 mm	lin.m	0	6.93	4.17	0	0
/ 08	Driving RC piles, for Item No. 2.3/07	lin.m	0	7.44	2.40	0	0
/ 09	Concrete, type 4, for footing and wall	cu.m	0	51.95	23.75	0	0

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (4/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 10	Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	0
/ 11	Form, type F1, for Item No. 2.3/09	sq.m	0	1.99	7.08	0	0
/ 12	Form, type F2, for Item No. 2.3/09	sq.m	0	2.54	11.22	0	0
/ 13	Reinforcing bars, for Item No. 2.3/09	kg	0	0.44	0.16	0	0
/ 14	PVC waterstop, W=200 mm	lin.m	0	5.25	2.85	0	0
/ 15	Rubber joint filler, t=10 mm	sq.m	0	7.16	6.30	0	0
/ 16	Bituminous coating	sq.m	0	0.70	0.90	0	0
/ 17	Furnishing and installing trap	kg	0	0.57	0.35	0	0
	Sub-total of Item No. 2.3					0	0
2.4	Masonry Revetment, Type I	L.S.	1	0.00	0.00	0	0
/ 01	Coffering and care of water including dewatering	cu.m	0	3.23	2.47	0	0
/ 02	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	0	2.53	1.38	0	0
/ 03	Excavation	cu.m	6	0.40	1.30	2	8
/ 04	Back filling	sq.m	1	0.71	1.49	1	1
/ 05	Geo-textile, t=1.5 mm	cu.m	9	8.76	4.40	79	40
/ 06	Gravel bedding	cu.m	3	8.76	4.40	26	13
/ 07	Cobble/rubble filling	cu.m	17	18.60	14.50	316	247
/ 08	Wet cobble/rubble masonry, type 1	cu.m	0	29.00	13.10	0	0
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	21	24.80	11.30	521	237
/ 10	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	lin.m	6	2.20	0.80	13	5
/ 11	PVC pipe for weep hole, diam. 50 mm	lin.m	24	3.90	2.48	94	60
/ 12	Furnishing and driving wooden piles, diam. 15-18cm	cu.m	4	51.95	23.75	208	95
/ 13	Concrete, type 4, for foundation	cu.m	2	46.67	21.49	93	43
/ 14	Concrete, type 5, for leveling	sq.m	18	2.54	11.22	46	202
/ 15	Form, type F2, for Item No. 2.4/13	kg	140	0.44	0.16	62	22
/ 16	Reinforcing bars, for Item No. 2.4/13	sq.m	4	7.16	6.30	29	25
/ 17	Rubber joint filler, t=10 mm						
	Sub-total Item No. 2.4					1,490	998



**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (5/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
2.5	Masonry Revetment, type II	L.S.	1	0.00	0.00	0	0
/ 01	Coffering and care of water including dewatering	cu.m	0	3.81	3.51	0	0
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	0	2.53	1.38	0	0
/ 03	Excavation	cu.m	0	0.40	1.30	0	0
/ 04	Back filling	sq.m	0	0.71	1.49	0	0
/ 05	Geo-textile, t=1.5 mm	cu.m	0	8.76	4.40	0	0
/ 06	Gravel bedding	cu.m	0	8.76	4.40	0	0
/ 07	Cobble/rubble filling	cu.m	0	18.60	14.50	0	0
/ 08	Wet cobble/rubble masonry, type 1	cu.m	0	29.00	13.10	0	0
/ 09	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	24.80	11.30	0	0
/ 10	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	lin.m	0	2.20	0.80	0	0
/ 11	PVC pipe for weep hole, diam. 50 mm	lin.m	0	3.90	2.48	0	0
/ 12	Furnishing and driving wooden piles, diam. 15-18cm	cu.m	0	51.95	23.75	0	0
/ 13	Concrete, type 4, for foundation	cu.m	0	46.67	21.49	0	0
/ 14	Concrete, type 5, for leveling	sq.m	0	2.54	11.22	0	0
/ 15	Form, type F2, for Item No. 2.5/13	kg	0	0.44	0.16	0	0
/ 16	Reinforcing bars, for Item No. 2.5/13	sq.m	0	7.16	6.30	0	0
/ 17	Rubber joint filler, t=10 mm						
	Sub-total Item No. 2.5					0	0
2.6	Concrete Ditch and Culvert	L.S.	1	0.00	0.00	0	0
/ 01	Coffering and care of water including dewatering	cu.m	18	3.81	3.51	69	63
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	156	3.23	2.47	504	385
/ 03	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	26,347	2.53	1.38	66,658	36,359
/ 04	Excavation of channel including trench cut	cu.m	1,336	8.76	4.40	11,703	5,878
/ 05	Rubble bedding	sq.m	59	0.71	1.49	42	88
/ 06	Geo-textile, t=1.5mm	cu.m	4,443	0.40	1.30	1,777	5,776
/ 07	Back filling	cu.m	61	8.65	4.47	528	273
/ 08	Gravel filter	lin.m	916	2.20	0.80	2,015	733
/ 09	PVC pipe for weep hole, diam. 50 mm	cu.m	0	29.00	13.10	0	0
/ 10	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	24	24.80	11.30	595	271
/ 11	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire						

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (6/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 12	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	96	74.64	8.30	7,165	797
/ 13	Driving steel sheet pile, for Item No. 2.6/12	sq.m	96	10.93	3.82	1,049	367
/ 14	Furnishing RC piles, 250 mm x 250 mm	lin.m	0	6.93	4.17	0	0
/ 15	Driving RC piles, for Item No. 2.6/14	lin.m	0	7.44	2.40	0	0
/ 16	Concrete, type 3, for blockout concrete	cu.m	2	52.68	24.06	105	48
/ 17	Concrete, type 4, for ditch and culvert	cu.m	9,823	51.95	23.75	510,305	233,296
/ 18	Concrete, type 5, for leveling	cu.m	671	46.67	21.49	31,316	14,420
/ 19	Form, type F1, for Item Nos. 2.6/16 and 2.8/17	sq.m	21,220	1.99	7.08	42,228	150,238
/ 20	Form, type F2, for Item Nos. 2.6/16 and 2.6/17	sq.m	8,417	2.54	11.22	21,379	94,439
/ 21	Reinforcing bars, for Item Nos. 2.6/16 and 2.6/17	kg	625,801	0.44	0.16	275,352	100,128
/ 22	PVC waterstop, W=200mm	lin.m	1,802	5.25	2.85	9,461	5,136
/ 23	Joint bar, diam. 25 mm, L= 1m	nos.	1,933	0.56	0.19	1,082	367
/ 24	Rubber joint filler, t= 10 mm	sq.m	0	7.16	6.30	0	0
/ 25	Bitumen coating	sq.m	185	0.70	0.90	130	167
/ 26	Furnishing and installing of trashrack and accessories	kg	1,918	0.90	0.56	1,726	1,074
/ 27	Furnishing and installing steel mesh cover	kg	0	2.48	0.99	0	0
/ 28	Galvanized steel pipe, diam. 1 1/4"	kg	152	0.93	1.30	141	198
/ 29	Galvanized steel pipe, diam. 3/4"	kg	35	1.24	1.59	43	56
/ 30	Fence, H=2.5m	sq.m	0	10.49	2.21	0	0
	Sub-total of Item No. 2.6					985,373	650,557
	TOTAL OF ITEM NO.2					1,025,245	674,838
<b>3</b>	<b>DRAINAGE FACILITIES</b>						
3.1	Sluiceway						
/ 01	Coffering and care of water including dewatering	L.S.	1	0.00	0.00	0	0
/ 02	Demolishing, hauling and disposing existing concrete structures	cu.m	0	3.81	3.51	0	0
/ 03	Demolishing, hauling and disposing existing asphalt/masonry structures	cu.m	0	3.23	2.47	0	0
/ 04	Excavation including trench cut	cu.m	0	2.53	1.38	0	0
/ 05	Back filling with selected materials	cu.m	0	0.40	1.30	0	0
/ 06	Geo-textile, t=1.5 mm	sq.m	0	0.71	1.49	0	0

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (7/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 07	Sod facing	sq.m	0	0.02	1.43	0	0
/ 08	Gravel bedding	cu.m	0	8.76	4.40	0	0
/ 09	Cobble/rubble filling	cu.m	0	8.76	4.40	0	0
/ 10	Wet cobble/rubble masonry, type 2	cu.m	0	25.90	30.40	0	0
/ 11	Wet gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	0	29.00	13.10	0	0
/ 12	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	cu.m	0	24.80	11.30	0	0
/ 13	PVC pipe for weep hole, diam. 50mm	lin.m	0	2.20	0.80	0	0
/ 14	Bitumen coating	sq.m	0	0.70	0.90	0	0
/ 15	Furnishing steel sheet pile, YSPF, W= 400mm	sq.m	0	74.64	8.30	0	0
/ 16	Driving of steel sheet pile, for Item No. 3.1/15	sq.m	0	10.93	3.82	0	0
/ 17	Furnishing RC Piles, 250 mm x 250 mm	lin.m	0	6.93	4.17	0	0
/ 18	Driving of RC piles, for Item No. 3.1/17	sq.m	0	7.44	2.40	0	0
/ 19	Furnishing RC Piles, 300 mm x 300 mm	lin.m	0	9.88	5.93	0	0
/ 20	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	0	52.68	24.06	0	0
/ 22	Concrete, type 4, for sluiceway structures & revetment	cu.m	0	51.95	23.75	0	0
/ 23	Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	0
/ 24	Base mortar	cu.m	0	42.30	64.30	0	0
/ 25	Form, type F1, for Item Nos. 3.1/21 and 3.1/22	sq.m	0	1.99	7.08	0	0
/ 26	Form, type F2, for Item Nos. 3.1/21 and 3.1/22	sq.m	0	4.53	11.22	0	0
/ 27	Reinforcing bars, for Item Nos. 3.1/21 and 3.1/22	kg	0	0.44	0.16	0	0
/ 28	Joint bars, diam. 25mm, L=1m	nos.	0	0.56	0.19	0	0
/ 29	PVC waterstop, W=200mm	lin.m	0	5.25	2.85	0	0
/ 30	Rubber joint filler, t= 10 mm	sq.m	0	7.16	6.30	0	0
/ 31	Sub-base course	cu.m	0	6.30	2.80	0	0
/ 32	Base-course	cu.m	0	9.60	4.00	0	0
/ 33	Asphalt pavement	sq.m	0	3.60	2.40	0	0
/ 34	Furnishing and installing traps	kg	0	0.57	0.35	0	0
/ 35	Steel galvanized pipe, diam. 1 1/4"	kg	0	0.93	1.30	0	0
/ 36	Steel galvanized pipe, diam. 3/4"	kg	0	1.24	1.59	0	0
/ 37	Embedded metal for stoplog groove	kg	0	0.73	0.41	0	0
/ 38	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.7 m x H= 0.7 m	set	0	2,668.00	297.00	0	0

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (8/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
/ 39	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 0.8 m x H = 0.8 m	set	0	3,068.00	341.00	0	0
/ 40	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 0.9 m x H = 0.9 m	set	0	3,149.00	350.00	0	0
/ 41	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.0 m x H = 1.0 m	set	0	3,413.00	380.00	0	0
/ 42	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.1 m x H = 1.1 m	set	0	3,705.00	412.00	0	0
/ 43	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.2 m x H = 1.2 m	set	0	3,975.00	442.00	0	0
/ 44	Steel slide gate including hoist, guide frame, accessories and spare parts, W = 1.5 m x H = 1.3 m	set	0	4,580.00	509.00	0	0
/ 45	Timber stoplog, W = 2.3 m x H = 2.3 m	set	0	1,576.00	1,576.00	0	0
/ 46	Steel stand for portable hanger	set	0	307.00	35.00	0	0
/ 47	Portable hanger, handling tools and slings for 2.3mx2.3m stoplog	set	0	383.00	43.00	0	0
	Sub-total of Item No. 3.1					0	0
3.2	Connection Canal / Cross Drain						
/ 01	Coffering and care of water including dewatering	L.S.	1	0.00	0.00	0	0
/ 02	Trench excavation	cu.m	0	3.28	1.89	0	0
/ 03	Back filling with excavated materials	cu.m	0	0.40	1.30	0	0
/ 04	Gravel bedding	cu.m	0	8.76	4.40	0	0
/ 05	Concrete, type 4, for slab, strut and facing concrete of wet rubble masonry	cu.m	0	51.95	23.75	0	0
/ 06	Concrete, type 5, for leveling	cu.m	0	46.67	21.49	0	0
/ 07	Form, type F2, for Item No. 3.2/05	sq.m	0	2.54	8.75	0	0
/ 08	Reinforcing bars, for Item No. 3.2/05	kg	0	0.44	0.16	0	0
/ 09	Rubber joint filler, t = 10 mm	sq.m	0	7.16	6.30	0	0
/ 10	Precast concrete culvert, 400x400mm	lin.m	0	25.40	12.20	0	0
/ 11	Precast concrete side ditch, U-type, 400x400mm	lin.m	0	15.90	8.20	0	0
	Sub-total of Item No. 3.2					0	0

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (9/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
<b>TOTAL OF ITEM NO. 3</b>							
<b>4</b>	<b>BRIDGE AND ROAD</b>						
4.1	Care of River	L.S.	1	0.00	0.00	0	0
/ 01	Coffering and care of water including dewatering	cu.m	0	3.81	3.51	0	0
/ 02	Demolishing, hauling and disposing concrete structures	cu.m	0	3.23	2.47	0	0
/ 03	Demolishing, hauling and disposing asphalt/masonry structures	ton	0.0	16.60	46.20	0	0
/ 04	Demolishing, hauling and disposing steel members						
<b>Sub-total of Item No. 4.1</b>							
4.2	Foundation and Substructure						
/ 01	Furnishing and driving test PC pile, 350 mm, A type, L= 7 m	nos.	0	214.00	90.00	0	0
/ 02	Furnishing and driving test PC pile, 350 mm, A type, L= 8 m	nos.	0	228.00	96.00	0	0
/ 03	Furnishing and driving test PC pile, 350 mm, A type, L= 9 m	nos.	0	242.00	102.00	0	0
/ 04	Furnishing and driving test PC pile, 350 mm, A type, L= 10 m	nos.	0	299.00	124.00	0	0
/ 05	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	0	313.00	130.00	0	0
/ 06	Furnishing PC pile, 350 mm, A type, L= 7 m	nos.	0	98.00	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	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	nos.	0	126.00	54.00	0	0
/ 11	Driving PC piles, for Item No. 4.2/10	lin.m	0	9.23	4.87	0	0
/ 12	Furnishing PC pile, 350 mm, A type, L= 10 m	nos.	0	140.00	60.00	0	0
/ 13	Driving PC piles, for Item No. 4.2/12	lin.m	0	8.30	4.38	0	0
/ 14	Furnishing PC pile, 350 mm, A type, L= 11 m	nos.	0	155.00	66.00	0	0
/ 15	Driving PC piles, for Item No. 4.2/14	lin.m	0	7.55	3.98	0	0
/ 16	Concrete, type 2, for bridge slab, pier and abutment	cu.m	433	53.78	24.54	23,287	10,626
/ 17	Concrete, type 5, for leveling, t= 10 cm.	cu.m	33	46.67	21.49	1,540	709
/ 18	Form, type F1, for Item Nos. 4.2/16 and 4.2/17	sq.m	1,598	1.99	7.08	3,180	11,314
/ 19	Reinforcing bars, for Item No. 4.2/16	kg	34,751	0.44	0.16	15,290	5,560
<b>Sub-total of Item No. 4.2</b>							
						43,297	28,209

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (10/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
4.3	Superstructure						
/ 01	Furnish and erection of PC girder, H=450mm, L=10.5m, BM-70	pc.	0	747.00	335.00	0	0
/ 02	Furnish and erection of PC girder, H=450mm, L=11.3m, BM-70	pc.	0	801.00	358.00	0	0
/ 03	Furnish and erection of PC girder, H=550mm, L=14.1m, BM-70	pc.	0	1,233.00	536.00	0	0
/ 04	Furnish and erection of PC girder, H=550mm, L=14.9m, BM-70	pc.	0	1,305.00	568.00	0	0
/ 05	Furnish and erection of PC girder, H=650mm, L=15.8m, BM-70	pc.	0	1,318.00	573.00	0	0
/ 06	Furnish and erection of PC girder, H=700mm, L=15.8m, BM-70	pc.	0	1,327.00	578.00	0	0
/ 07	Furnish and erection of PC girder, H=550mm, L=13.5m, BM-100	pc.	0	1,184.00	515.00	0	0
/ 08	Furnish and erection of PC girder, H=450mm, L=12.6m, Pedestrian	pc.	0	914.00	399.00	0	0
/ 09	Furnish and erection of PC girder, H=450mm, L=14.6m, Pedestrian	pc.	0	1,054.00	459.00	0	0
/ 10	PC tendon and ancillary materials	lin.m	0	4.26	1.00	0	0
/ 11	Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	40	53.78	24.54	2,151	982
/ 12	Concrete, type 4, for side walk	cu.m	0	51.95	23.75	0	0
/ 13	Form, type F1, for Item Nos. 4.3/11 and 4.3/12	sq.m	293	3.86	8.86	1,131	2,596
/ 14	Reinforcing bars, for Item Nos. 4.3/11 and 4.3/12	kg	6,735	0.44	0.16	2,963	1,078
/ 15	Curb stone	lin.m	0.0	10.60	5.10	0	0
/ 16	Rubber bearing pad, t=33mm, W=150mm	lin.m	0.0	217.00	25.70	0	0
/ 17	Non-shrink mortar with grid bars, for shoe base	lit.	0	1.84	1.27	0	0
/ 18	Anchoring in fixed bearing shoe	nos.	0	12.02	6.48	0	0
/ 19	Anchoring in movable bearing shoe	nos.	0	10.60	6.31	0	0
/ 20	Guard pipe for Road bridge, H=0.4m	lin.m	5.6	41.40	11.30	232	63
/ 21	Guard pipe for pedestrian bridge, H=1.0m	lin.m	0.0	174.00	27.00	0	0
/ 22	Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	0	4.72	2.14	0	0
/ 23	Drain pipe, D=75mm, L=70cm	nos.	0	4.15	2.08	0	0
/ 24	Drain pipe, D=75mm, L=40cm	nos.	0	2.37	1.62	0	0
/ 25	Expansion joint, for road bridge	lin.m	0.0	306.00	42.00	0	0
/ 26	Expansion joint, for pedestrian and in-situ slab bridges	lin.m	0.0	342.00	46.00	0	0
/ 27	Asphalt pavement	cu.m	12	71.10	48.60	853	583
Sub-total of Item No. 4.3						7,330	5,302

**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (11/12)**

Item No.	Description	Unit	Quantity	Unit Price (US\$)		Amount (US\$)	
				F.C.	L.C.	F.C.	L.C.
4.4	Approach Cushion Slab	cu.m	0	51.95	23.75	0	0
/ 01	Concrete, type 4, for slab	sq.m	0	1.99	7.08	0	0
/ 02	Form, type F1, for Item No. 4.4/01	kg	0	0.44	0.16	0	0
/ 03	Reinforcing bars, for Item No. 4.4/01						
	Sub-total of Item No. 4.4					0	0
4.5	Approach Road	sq.m	0	3.81	3.51	0	0
/ 01	Removal of existing concrete pavement	sq.m	0	3.23	2.47	0	0
/ 02	Removal of existing asphalt/base pavement	cu.m	0	2.53	1.38	0	0
/ 03	Excavation	cu.m	0	0.40	1.30	0	0
/ 04	Back filling	cu.m	0	18.60	14.50	0	0
/ 05	Wet rubble/cobble masonry for slope protection	cu.m	0	52.68	24.06	0	0
/ 06	Concrete, type 3, for approach step	cu.m	0	51.95	23.75	0	0
/ 07	Concrete, type 4, for side wall	cu.m	0	46.67	21.49	0	0
/ 08	Concrete, type 5, for foundation concrete	sq.m	0	1.99	7.08	0	0
/ 09	Form, type F1, for Item Nos. 4.5/06 and 4.5/07	sq.m	0	2.54	8.75	0	0
/ 10	Form, type F2, for Item Nos. 4.5/06 to 4.5/08	kg	0	0.44	0.16	0	0
/ 11	Reinforcing bars, for Item Nos. 4.5/06 and 4.5/07	nos.	0	6.40	3.40	0	0
/ 12	Precast concrete drain block, type 5a	lin.m	0	12.20	6.40	0	0
/ 13	Precast concrete side ditch, 300 x 300 mm	cu.m	0	3.53	2.34	0	0
/ 14	Embankment and sub-grade	cu.m	0	6.30	2.80	0	0
/ 15	Sub-base course	cu.m	0	9.60	4.00	0	0
/ 16	Base course	cu.m	0	71.10	48.60	0	0
/ 17	Asphalt pavement	lin.m	0	3.09	2.07	0	0
/ 18	Guardrail, concrete post						
	Sub-total of Item No. 4.5					0	0
<b>TOTAL OF ITEM NO. 4</b>						<b>50,627</b>	<b>33,511</b>

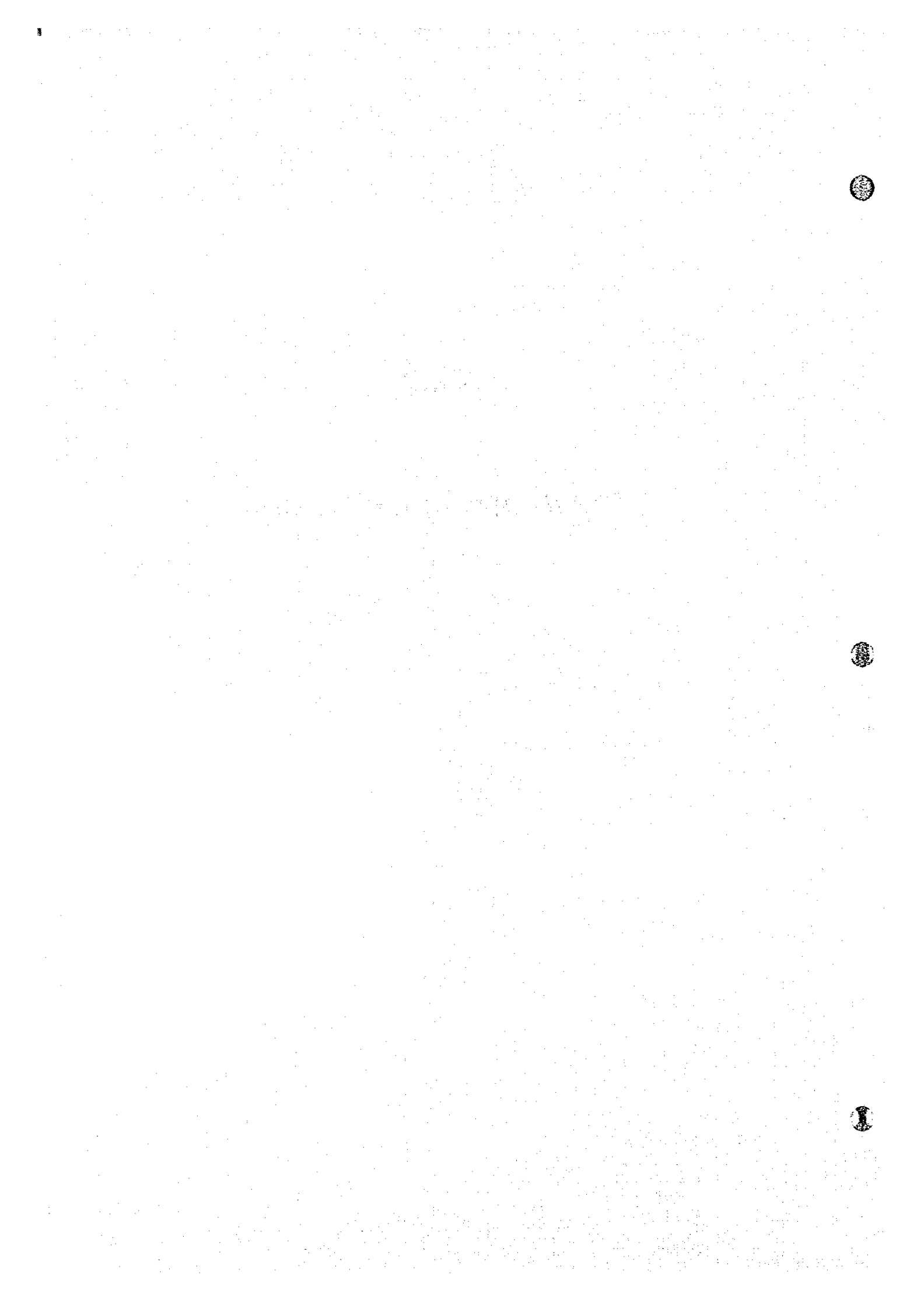
**BILL OF QUANTITIES FOR PACKAGE 3, MERUYA (12/12)**

Item No.	Description	Unit	Quantity		Unit Price (US\$)		Amount (US\$)		
			F.C.	L.C.	F.C.	L.C.			
<b>SUMMARY OF AMOUNT</b>									
No. 0	GENERAL ITEM						75,815		73,991
No. 1	RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES						0		51,630
No. 2	DRAINAGE CHANNEL						1,025,245		674,838
No. 3	DRAINAGE FACILITIES						0		0
No. 4	BRIDGE AND ROAD						50,627		33,511
<b>TOTAL OF CONSTRUCTION COST</b>									
<b>EQUIVALENT TO (US\$)</b>									
							1,151,687		833,970
							1,985,657		



*No. 9*

*Breakdown of Unit Costs*



**LIST OF UNIT PRICE (1/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
<b>0. GENERAL ITEM</b>					
001-1	Temporary access roads and temporary bridges, Package 1	L.S.	10,900.00	6,800.00	17,700.00
001-2	Temporary access roads and temporary bridges, Package 2	L.S.	3,600.00	2,300.00	5,900.00
001-3	Temporary access roads and temporary bridges, Package 3	L.S.	14,600.00	9,100.00	23,700.00
002-1	Maintenance of existing public roads and traffic control, Package 1	L.S.	25,700.00	15,300.00	41,000.00
002-2	Maintenance of existing public roads and traffic control, Package 2	L.S.	5,100.00	3,100.00	8,200.00
002-3	Maintenance of existing public roads and traffic control, Package 3	L.S.	34,700.00	20,600.00	55,300.00
003-1	Engineer's office, Package 1	L.S.	0.00	62,400.00	62,400.00
003-2	Engineer's office, Package 2	L.S.	0.00	35,100.00	35,100.00
003-3	Engineer's office, Package 3	L.S.	0.00	46,800.00	46,800.00
004	Furniture for Engineer's office	P.S.	2,000.00	2,300.00	4,300.00
005-1	Contractor's temporary buildings and facilities, Package 1	L.S.	52,400.00	159,500.00	211,900.00
005-2	Contractor's temporary buildings and facilities, Package 2	L.S.	48,200.00	146,700.00	194,900.00
005-3	Contractor's temporary buildings and facilities, Package 3	L.S.	50,300.00	153,100.00	203,400.00
006-1	Contractor's laboratory with testing instruments and apparatus, Package 1	L.S.	15,500.00	7,800.00	23,300.00
006-2	Contractor's laboratory with testing instruments and apparatus, Package 2	L.S.	7,800.00	3,900.00	11,700.00
006-3	Contractor's laboratory with testing instruments and apparatus, Package 3	L.S.	10,900.00	5,400.00	16,300.00
007-1	First aid kit boxes and ambulance with driver, Package 1	L.S.	28,800.00	20,200.00	49,000.00
007-2	First aid kit boxes and ambulance with driver, Package 2	L.S.	16,200.00	11,300.00	27,500.00
007-3	First aid kit boxes and ambulance with driver, Package 3	L.S.	21,600.00	15,100.00	36,700.00
008-1	Temporary water supply and sewage systems, Package 1	L.S.	14,770.00	17,120.00	31,890.00
008-2	Temporary water supply and sewage systems, Package 2	L.S.	6,640.00	7,210.00	13,850.00
008-3	Temporary water supply and sewage systems, Package 3	L.S.	10,110.00	10,890.00	21,000.00
009-1	Temporary electric supply system, Package 1	L.S.	90,950.00	16,030.00	106,980.00
009-2	Temporary electric supply system, Package 2	L.S.	35,820.00	6,310.00	42,130.00
009-3	Temporary electric supply system, Package 3	L.S.	57,170.00	10,080.00	67,250.00
010-1	Temporary telecommunication system, Package 1	L.S.	36,520.00	17,400.00	53,920.00
010-2	Temporary telecommunication system, Package 2	L.S.	20,790.00	10,540.00	31,330.00
010-3	Temporary telecommunication system, Package 3	L.S.	27,530.00	13,480.00	41,010.00
011-1	Boreholes and exploratory excavation, Package 1	P.S.	1,540.00	880.00	2,420.00
011-2	Boreholes and exploratory excavation, Package 2	P.S.	510.00	290.00	800.00
011-3	Boreholes and exploratory excavation, Package 3	P.S.	1,280.00	740.00	2,020.00
012-1	All risk insurance, Package 1	L.S.	10,600.00	7,200.00	17,800.00
012-2	All risk insurance, Package 2	L.S.	5,500.00	3,200.00	8,700.00
012-3	All risk insurance, Package 3	L.S.	12,900.00	8,300.00	21,200.00

**LIST OF UNIT PRICE (2/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
013-1	Safety equipment, instruments and sign boards, Package 1	L.S.	10,000.00	5,000.00	15,000.00
013-2	Safety equipment, instruments and sign boards, Package 2	L.S.	5,000.00	2,500.00	7,500.00
013-3	Safety equipment, instruments and sign boards, Package 3	L.S.	10,000.00	5,000.00	15,000.00
014	Survey equipment for Engineer	L.S.	3,670.00	980.00	4,650.00
015	Transportation equipment for Engineer	L.S.	53,760.00	15,840.00	69,600.00
016-1	Topographic survey, Package 1	P.S.	62,000.00	66,500.00	128,500.00
016-2	Topographic survey, Package 2	P.S.	19,700.00	21,100.00	40,800.00
016-3	Topographic survey, Package 3	P.S.	40,600.00	43,500.00	84,100.00
017-1	Site clearance, Package 1	sq.m	1.01	0.62	1.63
017-2	Site clearance, Package 2	sq.m	0.88	0.49	1.37
017-3	Site clearance, Package 3	sq.m	1.01	0.62	1.63
<b>I. RELOCATION/RECONSTRUCTION OF PUBLIC UTILITIES</b>					
101-11	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 1, Stage I	P.S.	0.00	11,700.00	11,700.00
101-12	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 1, Stage II	P.S.	0.00	218,400.00	218,400.00
101-13	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 1, Stage III	P.S.	0.00	206,700.00	206,700.00
101-21	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 2, Tanjungan	P.S.	0.00	116,100.00	116,100.00
101-31	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 3, S. Cengkareng	P.S.	0.00	214,200.00	214,200.00
101-32	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 3, Gede/Bor	P.S.	0.00	117,600.00	117,600.00
101-33	Public utilities subject to relocation/reconstruction for electriciry facilities, Package 3, Meruya	P.S.	0.00	25,500.00	25,500.00
102-11	Public utilities subject to relocation/reconstruction for water supply/drainage facilities, Package 1, Stage I	P.S.	0.00	5,000.00	5,000.00
102-31	Public utilities subject to relocation/reconstruction for water supply/drainage facilities, Package 3, S. Cengkareng	P.S.	0.00	1,700.00	1,700.00
102-32	Public utilities subject to relocation/reconstruction for water supply/drainage facilities, Package 3, Gede/Bor	P.S.	0.00	1,700.00	1,700.00
103-12	Public utilities subject to relocation/reconstruction for communication facilities, Package 1, Stage II	P.S.	0.00	130,820.00	130,820.00
103-13	Public utilities subject to relocation/reconstruction for communication facilities, Package 1, Stage III	P.S.	0.00	4,410.00	4,410.00
103-21	Public utilities subject to relocation/reconstruction for communication facilities, Package 2, Tanjungan	P.S.	0.00	420.00	420.00
103-31	Public utilities subject to relocation/reconstruction for communication facilities, Package 3, S. Cengkareng	P.S.	0.00	1,680.00	1,680.00
103-32	Public utilities subject to relocation/reconstruction for communication facilities, Package 3, Gede/Bor	P.S.	0.00	72,560.00	72,560.00
103-33	Public utilities subject to relocation/reconstruction for communication facilities, Package 3, Meruya	P.S.	0.00	26,130.00	26,130.00
104-21	Public utilities subject to relocation/reconstruction for other facilities, Package 2, Tanjungan	P.S.	0.00	1,500.00	1,500.00
104-32	Public utilities subject to relocation/reconstruction for other facilities, Package 3, Gede/Bor	P.S.	0.00	800.00	800.00

**LIST OF UNIT PRICE (3/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
<b>2. EARTHWORKS</b>					
201-11	Coffering and care of water, levee & road, Package 1, Stage I	L.S.	4,450.00	3,630.00	8,080.00
201-12	Coffering and care of water, levee & road, Package 1, Stage II	L.S.	4,450.00	3,630.00	8,080.00
201-21	Coffering and care of water, levee & road, Package 2, Tanjungan	L.S.	710.00	580.00	1,290.00
201-31	Coffering and care of water, levee & road, Package 3, S. Cengkareng	L.S.	2,670.00	2,180.00	4,850.00
203-21	Coffering and care of water, concrete wall, Package 2, Tajungan	L.S.	5,340.00	4,350.00	9,690.00
204-12	Coffering and care of water, revetment I, Package 1, Stage II	L.S.	5,340.00	4,350.00	9,690.00
204-13	Coffering and care of water, revetment I, Package 1, Stage III	L.S.	7,480.00	6,090.00	13,570.00
204-31	Coffering and care of water, revetment I, Package 3, S. Cengkareng	L.S.	21,020.00	17,110.00	38,130.00
204-32	Coffering and care of water, revetment I, Package 3, Gede/Bor	L.S.	1,070.00	870.00	1,940.00
205-12	Coffering and care of water, revetment II, Package 1, Stage II	L.S.	3,030.00	2,470.00	5,500.00
205-13	Coffering and care of water, revetment II, Package 1, Stage III	L.S.	8,730.00	7,110.00	15,840.00
205-21	Coffering and care of water, revetment II, Package 2, Tanjungan	L.S.	1,420.00	1,160.00	2,580.00
205-31	Coffering and care of water, revetment II, Package 3, S. Cengkareng	L.S.	6,590.00	5,370.00	11,960.00
205-32	Coffering and care of water, revetment II, Package 3, Gede/Bor	L.S.	7,660.00	6,240.00	13,900.00
206-13	Coffering and care of water, ditch/culvert, Package 1, Stage III	L.S.	1,780.00	1,450.00	3,230.00
206-31	Coffering and care of water, ditch/culvert, Package 3, S. Cengkareng	L.S.	58,450.00	37,880.00	96,330.00
207-12	Coffering and care of water, drainage facility, Package 1, Stage II	L.S.	2,320.00	1,890.00	4,210.00
207-13	Coffering and care of water, drainage facility, Package 1, Stage III	L.S.	2,490.00	2,030.00	4,520.00
207-21	Coffering and care of water, drainage facility, Package 2, Tanjungan	L.S.	1,250.00	1,020.00	2,270.00
207-22	Coffering and care of water, drainage facility, Package 2, PIK Junction	L.S.	180.00	150.00	330.00
207-31	Coffering and care of water, drainage facility, Package 3, S. Cengkareng	L.S.	3,560.00	2,900.00	6,460.00
207-32	Coffering and care of water, drainage facility, Package 3, Gede/Bor	L.S.	1,070.00	870.00	1,940.00
208-12	Coffering and care of water, connect. canal/cross drain, Package 1, Stage II	L.S.	1,070.00	870.00	1,940.00
208-13	Coffering and care of water, connect. canal/cross drain, Package 1, Stage III	L.S.	710.00	580.00	1,290.00
208-21	Coffering and care of water, connect. canal/cross drain, Package 2, Tanjungan	L.S.	450.00	360.00	810.00
208-31	Coffering and care of water, connect. canal/cross drain, Package 3, S. Cengkareng	L.S.	1,070.00	870.00	1,940.00
208-32	Coffering and care of water, connect. canal/cross drain, Package 3, Gede/Bor	L.S.	270.00	220.00	490.00

**LIST OF UNIT PRICE (4/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
209-11	Coffering and care of water, bridge, Package 1, Stage I	L.S.	4,490.00	1,610.00	6,100.00
209-12	Coffering and care of water, bridge, Package 1, Stage II	L.S.	23,320.00	8,350.00	31,670.00
209-13	Coffering and care of water, bridge, Package 1, Stage III	L.S.	61,890.00	22,140.00	84,030.00
209-21	Coffering and care of water, bridge, Package 2, Tanjungan	L.S.	64,600.00	21,500.00	86,100.00
209-31	Coffering and care of water, bridge, Package 3, S. Cengkareng	L.S.	64,680.00	23,590.00	88,270.00
209-32	Coffering and care of water, bridge, Package 3, Gede/Bor	L.S.	27,720.00	10,110.00	37,830.00
210	Demolishing, hauling and disposing concrete structures	cu.m	3.81	3.51	7.32
211	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	3.23	2.47	5.70
212	Stripping, grubbing and clearing	sq.m	0.86	0.47	1.33
213	Excavation of existing drainage channel	cu.m	2.53	1.38	3.91
214	Trench excavation, earth	cu.m	3.28	1.89	5.17
215	Embankment, earth	cu.m	3.53	2.34	5.87
216	Dump filling with provision of pollution prevention measurement	cu.m	15.51	5.30	20.81
217	Back filling with selected material	cu.m	0.40	1.30	1.70
218	Filling-up by random material	cu.m	0.30	1.10	1.40
219	Geo-textile, t=1.5 mm	sq.m	0.71	1.49	2.20
220	Sod facing	sq.m	0.02	1.43	1.45
221	Bamboo mat	sq.m	0.83	7.76	8.59
222	Bamboo waling, diam. 80-100mm	lin.m	0.04	1.01	1.05
<b>3. STONE WORKS</b>					
301	Gravel bedding and cobble/rubble filling	cu.m	8.76	4.40	13.16
302	Gravel filter	cu.m	8.65	4.77	13.42
303	Wet cobble/rubble masonry, type 1	cu.m	18.60	14.50	33.10
304	Wet cobble/rubble masonry, type 2	cu.m	25.90	18.70	44.60
305	Wet cobble/rubble masonry	sq.m	9.30	7.20	16.50
306	Gabion mattress, 3.0x1.5x0.5 m, PVC coated wire	cu.m	29.00	13.10	42.10
307	Gabion mattress, 3.0x1.5x0.5 m, galvanized wire	cu.m	24.80	11.30	36.10
308	PVC pipe for weep hole, diam. 50 mm	lin.m	2.20	0.80	3.00
<b>4. FOUNDATION WORKS</b>					
401	Furnishing steel sheet pile, YSPF, W= 400mm	lin.m	74.64	8.30	82.94
402	Driving steel sheet pile, YSPF, W= 400mm	lin.m	10.93	3.82	14.75
403	Furnishing RC piles, 250 x 250 mm	lin.m	6.93	4.17	11.10
404	Driving RC pile, 250x250mm	lin.m	7.44	2.40	9.84
405	Furnishing RC piles, 300 x 300 mm	lin.m	9.88	5.93	15.81
406	Driving RC pile, 300x300mm	lin.m	7.44	2.40	9.84
407	Furnishing and driving test PC pile, 350 mm, A type, L= 7 m	nos.	214.00	90.00	304.00
408	Furnishing and driving test PC pile, 350 mm, A type, L= 8 m	nos.	228.00	96.00	324.00
409	Furnishing and driving test PC pile, 350 mm, A type, L= 9 m	nos.	242.00	102.00	344.00

LIST OF UNIT PRICE (5/9)

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
410	Furnishing and driving test PC pile, 350 mm, A type, L= 10 m	nos.	299.00	124.00	423.00
411	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	313.00	130.00	443.00
412	Furnishing and driving test PC pile, 350 mm, A type, L= 12 m	nos.	328.00	136.00	464.00
413	Furnishing and driving test PC pile, 350 mm, A type, L= 13 m	nos.	342.00	142.00	484.00
414	Furnishing and driving test PC pile, 350 mm, A type, L= 14 m	nos.	358.00	148.00	506.00
415	Furnishing and driving test PC pile, 350 mm, A type, L= 15 m	nos.	372.00	155.00	527.00
416	Furnishing and driving test PC pile, 350 mm, A type, L= 16 m	nos.	386.00	161.00	547.00
417	Furnishing and driving test PC pile, 350 mm, A type, L= 17 m	nos.	401.00	167.00	568.00
418	Furnishing and driving test PC pile, 350 mm, A type, L= 18 m	nos.	415.00	173.00	588.00
419	Furnishing and driving test PC pile, 350 mm, B type, L= 11 m	nos.	358.00	149.00	507.00
420	Furnishing and driving test PC pile, 350 mm, B type, L= 12 m	nos.	376.00	156.00	532.00
421	Furnishing and driving test PC pile, 350 mm, B type, L= 13 m	nos.	395.00	164.00	559.00
422	Furnishing and driving test PC pile, 350 mm, B type, L= 17 m	nos.	467.00	196.00	663.00
423	Furnishing and driving test PC pile, 350 mm, B type, L= 18 m	nos.	485.00	203.00	688.00
424	Furnishing and driving test PC pile, 400 mm, B type, L= 11 m	nos.	432.00	180.00	612.00
425	Furnishing and driving test PC pile, 400 mm, B type, L= 12 m	nos.	456.00	191.00	647.00
426	Furnishing and driving test PC pile, 400 mm, B type, L= 14 m	nos.	504.00	211.00	715.00
427	Furnishing PC pile, 350 mm, A type, L= 7 m	nos.	98.00	42.00	140.00
428	Driving PC piles, for above	lin.m	11.86	6.26	18.12
429	Furnishing PC pile, 350 mm, A type, L= 8 m	nos.	112.00	48.00	160.00
430	Driving PC piles, for above	lin.m	10.38	5.48	15.86
431	Furnishing PC pile, 350 mm, A type, L= 9 m	nos.	126.00	54.00	180.00
432	Driving PC piles, for above	lin.m	9.23	4.87	14.10
433	Furnishing PC pile, 350 mm, A type, L= 10 m	nos.	140.00	60.00	200.00
434	Driving PC piles, for above	lin.m	8.30	4.38	12.68
435	Furnishing PC pile, 350 mm, A type, L= 11 m	nos.	155.00	66.00	221.00
436	Driving PC piles, for above	lin.m	7.55	3.98	11.53
437	Furnishing PC pile, 350 mm, A type, L= 12 m	nos.	169.00	72.00	241.00
438	Driving PC piles, for above	lin.m	10.38	4.87	15.25
439	Furnishing PC pile, 350 mm, A type, L= 13 m	nos.	183.00	78.00	261.00
440	Driving PC piles, for above	lin.m	9.59	4.50	14.09
441	Furnishing PC pile, 350 mm, A type, L= 14 m	nos.	197.00	84.00	281.00
442	Driving PC piles, for above	lin.m	8.90	4.17	13.07
443	Furnishing PC pile, 350 mm, A type, L= 15 m	nos.	211.00	90.00	301.00
444	Driving PC piles, for above	lin.m	8.31	3.90	12.21
445	Furnishing PC pile, 350 mm, A type, L= 16 m	nos.	226.00	97.00	323.00
446	Driving PC piles, for above	lin.m	7.79	3.65	11.44

**LIST OF UNIT PRICE (6/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
447	Furnishing PC pile, 350 mm, A type, L= 17 m	nos.	240.00	103.00	343.00
448	Driving PC piles, for above	lin.m	7.33	3.44	10.77
449	Furnishing PC pile, 350 mm, A type, L= 18 m	nos.	254.00	109.00	363.00
450	Driving PC piles, for above	lin.m	6.92	3.25	10.17
451	Furnishing PC pile, 350 mm, B type, L= 11 m	nos.	192.00	82.00	274.00
452	Driving PC piles, for above	lin.m	7.55	3.98	11.53
453	Furnishing PC pile, 350 mm, B type, L= 12 m	nos.	209.00	90.00	299.00
454	Driving PC piles, for above	lin.m	10.38	4.87	15.25
455	Furnishing PC pile, 350 mm, B type, L= 13 m	nos.	227.00	97.00	324.00
456	Driving PC piles, for above	lin.m	9.59	4.50	14.09
457	Furnishing PC pile, 350 mm, B type, L= 17 m	nos.	297.00	127.00	424.00
458	Driving PC piles, for above	lin.m	7.33	3.44	10.77
459	Furnishing PC pile, 350 mm, B type, L= 18 m	nos.	315.00	135.00	450.00
460	Driving PC piles, for above	lin.m	6.92	3.25	10.17
461	Furnishing PC pile, 400 mm, B type, L= 11 m	nos.	252.00	108.00	360.00
462	Driving PC piles, for above	lin.m	7.55	3.99	11.54
463	Furnishing PC pile, 400 mm, B type, L= 12 m	nos.	276.00	118.00	394.00
464	Driving PC piles, for above	lin.m	10.39	4.88	15.27
465	Furnishing PC pile, 400 mm, B type, L= 14 m	nos.	322.00	138.00	460.00
466	Driving PC piles, for above	lin.m	8.90	4.18	13.08
467	Bamboo pile, diam. 80-100mm	lin.m	1.91	0.84	2.75
468	Furnishing and driving wooden pile, diam. 15-18cm	lin.m	3.90	2.48	6.38

**5. CONCRETE WORKS**

501	Concrete, type 1, K-325-08-25	cu.m	55.60	25.31	80.91
502	Concrete, type 2, K-300-10-40	cu.m	53.78	24.54	78.32
503	Concrete, type 3, K-225-08-25	cu.m	52.68	24.06	76.74
504	Concrete, type 4, K-225-40-10	cu.m	51.95	23.75	75.70
505	Concrete, type 5, K-125-10-25	cu.m	46.67	21.49	68.16
506-1	Form, type F1, with scaffolding	sq.m	3.86	8.86	12.72
506-2	Form, type F1, without scaffolding	sq.m	1.99	7.08	9.07
507-1	Form, type F2, with scaffolding	sq.m	4.53	11.22	15.75
507-2	Form, type F2, without scaffolding	sq.m	2.54	8.75	11.29
508	Reinforcing bars	kg	0.44	0.16	0.60
509	Joint bars, diam. 25mm, L=1m	nos.	0.56	0.19	0.75
510	PVC waterstop, W=200 mm	lin.m	5.25	2.85	8.10
511	Rubber joint filler, t=10 mm	sq.m	7.16	6.30	13.46
512	Precast concrete drain block, type 5a	nos.	6.40	3.40	9.80
513	Precast concrete ditch, L-shape, 300 x 300 mm	lin.m	7.50	3.90	11.40
514	Precast concrete ditch, 300 x 300 mm	lin.m	12.20	6.40	18.60
515-1	Precast concrete culvert, 400 x 400 mm	lin.m	25.40	12.20	37.60
515-2	Precast concrete ditch, 400 x 400 mm	lin.m	15.90	8.20	24.10
516	Precast concrete ditch, 600 x 600 mm	lin.m	36.90	17.40	54.30
517	Precast concrete ditch, 600 x 800 mm	lin.m	50.80	23.80	74.60
518	Precast concrete ditch, 800 x 800 mm	lin.m	57.20	29.50	86.70
519	Curb stone	lin.m	10.60	5.10	15.70
520	Scaffolding	cu.m	7.70	2.60	10.30
521	Base mortar	cu.m	42.30	64.30	106.60



LIST OF UNIT PRICE (7/9)

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
<b>6. PAVEMENT WORKS</b>					
601	Sub-base course	cu.m	6.30	2.80	9.10
602	Base course	cu.m	9.60	4.00	13.60
603-1	Asphalt pavement, t=5cm	sq.m	3.60	2.40	6.00
603-2	Asphalt pavement	cu.m	71.10	48.60	119.70
604	Bitumen coating	sq.m	0.70	0.90	1.60
<b>7. BRIDGE GIRDER</b>					
701	Furnish and erection of PC girder, H=400mm, L=7.3m, BM-70	pc.	459.00	210.00	669.00
702	Furnish and erection of PC girgder, H=450mm, L=8.4m, BM-70	pc.	591.00	267.00	858.00
703	Furnish and erection of PC girgder, H=450mm, L=9.6m, BM-70	pc.	673.00	304.00	977.00
704	Furnish and erection of PC girgder, H=450mm, L=10.5m, BM-70	pc.	747.00	335.00	1,082.00
705	Furnish and erection of PC girgder, H=450mm, L=11.3m, BM-70	pc.	801.00	358.00	1,159.00
706	Furnish and erection of PC girgder, H=450mm, L=11.9m, BM-70	pc.	842.00	376.00	1,218.00
707	Furnish and erection of PC girgder, H=500mm, L=12.35m, BM-70	pc.	995.00	434.00	1,429.00
708	Furnish and erection of PC girgder, H=500mm, L=13.35m, BM-70	pc.	1,071.00	466.00	1,537.00
709	Furnish and erection of PC girgder, H=500mm, L=14.15m, BM-70	pc.	1,131.00	492.00	1,623.00
710	Furnish and erection of PC girgder, H=550mm, L=13.5m, BM-70	pc.	1,184.00	515.00	1,699.00
711	Furnish and erection of PC girgder, H=550mm, L=14.1m, BM-70	pc.	1,233.00	536.00	1,769.00
712	Furnish and erection of PC girgder, H=550mm, L=14.9m, BM-70	pc.	1,305.00	568.00	1,873.00
713	Furnish and erection of PC girgder, H=650mm, L=15.8m, BM-70	pc.	1,318.00	573.00	1,891.00
714	Furnish and erection of PC girgder, H=700mm, L=15.8m, BM-70	pc.	1,327.00	578.00	1,905.00
715	Furnish and erection of PC girgder, H=450mm, L=8.4m, BM-100	pc.	592.00	269.00	861.00
716	Furnish and erection of PC girgder, H=500mm, L=11.9m, BM-100	pc.	961.00	419.00	1,380.00
717	Furnish and erection of PC girgder, H=500mm, L=12.9m, BM-100	pc.	1,037.00	452.00	1,489.00
718	Furnish and erection of PC girgder, H=550mm, L=13.5m, BM-100	pc.	1,184.00	515.00	1,699.00
719	Furnish and erection of PC girgder, H=350mm, L=7.3m, Pedestrian	pc.	404.00	186.00	590.00
720	Furnish and erection of PC girgder, H=350mm, L=8.4m, Pedestrian	pc.	462.00	211.00	673.00
721	Furnish and erection of PC girgder, H=350mm, L=9.2m, Pedestrian	pc.	506.00	231.00	737.00
722	Furnish and erection of PC girgder, H=400mm, L=11.5m, Pedestrian	pc.	753.00	330.00	1,083.00

**LIST OF UNIT PRICE (8/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
723	Furnish and erection of PC girgder,H=400mm, L=12.5m, Pedestrian	pc.	813.00	355.00	1,168.00
724	Furnish and erection of PC girgder,H=450mm, L=12.15m, Pedestrian	pc.	883.00	386.00	1,269.00
725	Furnish and erection of PC girgder,H=450mm, L=12.6m, Pedestrian	pc.	914.00	399.00	1,313.00
726	Furnish and erection of PC girgder,H=450mm, L=13.1m, Pedestrian	pc.	948.00	413.00	1,361.00
727	Furnish and erection of PC girgder,H=450mm, L=14.6m, Pedestrian	pc.	1,054.00	459.00	1,513.00
728	Furnish and erection of PC girgder,H=500mm, L=15.8m, Pedestrian	pc.	1,261.00	549.00	1,810.00
<b>8. MISCELLANEOUS BRIDGE WORKS</b>					
801	PC tendon and ancillary materials	lin.m	4.26	1.00	5.26
802	Rubber bearing pad, t=33mm, W=150mm	sq.m	217.00	25.70	242.70
803	Non-shrink mortar with grid bars, for shoe base	lit.	1.84	1.27	3.11
804	Anchoring in fixed bearing shoe	nos.	12.02	6.48	18.50
805	Anchoring in movable bearing shoe	nos.	10.60	6.31	16.91
806	Bearing shoe, fix	nos.	2,018.00	231.00	2,249.00
807	Bearing shoe, movable	nos.	1,852.00	213.00	2,065.00
808	Guard pipe for road bridge, H=0.4m	lin.m	41.40	11.30	52.70
809	Guard pipe for pedestrian bridge, H=1.0m	lin.m	174.00	27.00	201.00
810	Drain pipe (D=100mm, L=84cm) with cap	nos.	4.72	2.14	6.86
811	Drain pipe, D=75mm, L=70cm	nos.	4.15	2.08	6.23
812	Drain pipe, D=75mm, L=40cm	nos.	2.37	1.62	3.99
813	Expansion joint, for road bridge	lin.m	306.00	42.00	348.00
814	Expansion joint, for pedestrian and in-situ slab bridges	lin.m	342.00	46.00	388.00
815	Guard post, concrete post	lin.m	3.09	2.07	5.16
816	Demolishing, hauling and disposing steel members	ton	16.60	46.20	62.80
<b>9. METAL WORKS</b>					
901	Furnishing and installing traps	kg	0.57	0.35	0.92
902	Furnishing and Installing of trashrack and accessories	kg	0.90	0.56	1.46
903	Furnishing and Installing steel mesh cover	kg	2.48	0.99	3.47
904	Galvanized steel pipe, diam. 1 1/4"	kg	0.93	1.30	2.23
905	Galvanized steel pipe, diam. 3/4"	kg	1.24	1.59	2.83
906	Embedded metal for stoplog groove	kg	0.73	0.41	1.14
907	Steel net fence, H=2.5m	sq.m	10.49	2.21	12.70
908	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.6 m x H = 0.6 m	set	2,431.00	271.00	2,702.00
909	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.7 m x H = 0.7 m	set	2,668.00	297.00	2,965.00
910	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.8 m x H = 0.8 m	set	3,068.00	341.00	3,409.00
911	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 0.9 m x H = 0.9 m	set	3,149.00	350.00	3,499.00
912	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 1.0 m x H = 1.0 m	set	3,413.00	380.00	3,793.00
913	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 1.1 m x H = 1.1 m	set	3,705.00	412.00	4,117.00

**LIST OF UNIT PRICE (9/9)**

Item No.	Description	Unit	Unit Price (US\$)		
			F.C.	L.C.	Total
914	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 1.2 m x H = 1.2 m	set	3,975.00	442.00	4,417.00
915	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 1.3 m x H = 1.3 m	set	4,375.00	487.00	4,862.00
916	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 1.5 m x H = 1.3 m	set	4,580.00	509.00	5,089.00
917	Steel slide gate including hoist, guide frame, accessories and spare parts, W= 2.3 m x H = 2.3 m	set	9,629.00	1,070.00	10,699.00
918	Steel flap gate including guide frame, accessories and spare parts, W= 0.4 m x H = 0.4 m	set	461.00	52.00	513.00
919	Timber stoplog, W = 0.4 m x H = 0.4 m	set	48.00	48.00	96.00
920	Timber stoplog, W = 0.6 m x H = 0.6 m	set	108.00	108.00	216.00
921	Timber stoplog, W = 0.7 m x H = 0.7 m	set	146.00	146.00	292.00
922	Timber stoplog, W = 0.8 m x H = 0.8 m	set	191.00	191.00	382.00
923	Timber stoplog, W = 0.9 m x H = 0.9 m	set	242.00	242.00	484.00
924	Timber stoplog, W = 1.0 m x H = 1.0 m	set	298.00	298.00	596.00
925	Timber stoplog, W = 1.1 m x H = 1.1 m	set	361.00	361.00	722.00
926	Timber stoplog, W = 1.2 m x H = 1.2 m	set	429.00	429.00	858.00
927	Timber stoplog, W = 1.3 m x H = 1.3 m	set	504.00	504.00	1,008.00
928	Timber stoplog, W = 1.5 m x H = 1.3 m	set	581.00	581.00	1,162.00
929	Timber stoplog, W = 2.3 m x H = 2.3 m	set	1,576.00	1,576.00	3,152.00
930	Steel stand for portable hanger	set	307.00	35.00	342.00
931	Portable hanger, handling tools and slings for 2.3mx2.3m stoplog	set	383.00	43.00	426.00
932	Maintenance tool for gate, stoplog and hoist	set	115.00	13.00	128.00

**SECOND BREAKDOWN OF UNIT COST**

B-1	Temporary bridge construction, steel	sq.m	207.16	37.81	244.97
B-2	Temporary bridge construction, concrete slab	unit	441.84	183.10	624.94
B-3	Temporary relocation road	sq.m	10.69	6.37	17.06
B-4	Care of water for bridge construction, Package 1	L.S.	4,987.00	4,060.00	9,047.00
B-5	Care of water for bridge construction, Package 2	L.S.	891.00	725.00	1,616.00
B-6	Care of water for bridge construction, Package 3	L.S.	4,096.00	3,335.00	7,431.00
B-7	Dewater for dump fill embankment	L.S.	5,737.00	2,871.00	8,608.00
B-8	Steel sheet pile driving in water	sq.m	7.35	2.64	9.99
B-9	Steel sheet pile extracting in water	sq.m	4.90	1.76	6.66
B-10	Steel sheet pile driving on ground	sq.m	4.61	1.63	6.24
B-11	Furnishing steel sheet pile, U-type II	sq.m	64.70	7.20	71.90

Exchange Rates : 1.0 US\$ = Rp. 2,350 = Yen 115 as of June 1997



No. 001-2

**Breakdown of Unit Price**

Work : Temporary access road and bridge, Package 2

Unit price : F/C 3,600.00 US\$/L.S. L/C 2,300.00 US\$/L.S.

(Total 5,900.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Temporary road (Ref.to No.B-3)	sq.m	200.00	10.69	2,138.00	6.37	1,274.00
2	Maintenance of the road 20%	L.S.	1.00		428.00		255.00
3	Removal of the road (Ref.to No.211)	sq.m	200.00	3.23	646.00	2.47	494.00
4	Road sign board 20%	L.S.	1.00		428.00		255.00
	Total for 1	L.S.			3,640.00		2,278.00
	Unit price for 1 L.S.				3,600.00		2,300.00

No. 001-3

**Breakdown of Unit Price**

Work: Temporary access road and bridge, Package 3

Unit price: F/C 14,600.00 US\$/L.S. L/C 9,100.00 US\$/L.S.

(Total 23,700.00 equiv.US\$/L.S.)

Remarks: 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Temporary road (Ref.to No.B-3)	sq.m	800.00	10.69	8,552.00	6.37	5,096.00
2	Maintenance of the road 20%	L.S.	1.00		1,710.00		1,019.00
3	Removal of the road (Ref.to No.211)	sq.m	800.00	3.23	2,584.00	2.47	1,976.00
4	Road sign board 20%	L.S.	1.00		1,710.00		1,019.00
	Total for 1	L.S.			14,556.00		9,110.00
	Unit price for 1 L.S.				14,600.00		9,100.00

No. 002-1 **Breakdown of Unit Price**

Work : Maintenance of existing public road and traffic control, Package 1

Unit price : F/C 25,700.00 US\$/L.S. L/C 15,300.00 US\$/L.S.  
 (Total 41,000.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Reconstruction of road (Ref. to No.B-3)	sq.m	1,000.00	10.69	10,690.00	6.37	6,370.00
2	Maintenance of the road (20% of No.B-3)	sq.m	5,000.00	2.14	10,700.00	1.27	6,350.00
3	Road sign board 20%	L.S.	1.00		4,278.00		2,544.00
	Total for 1	L.S.			25,668.00		15,264.00
	Unit price for 1 L.S.				25,700.00		15,300.00

No. 002-2

**Breakdown of Unit Price**

Work : Maintenance of existing public road and traffic control, Package 2  
Unit price : F/C 5,100.00 US\$/L.S. L/C 3,100.00 US\$/L.S.  
(Total 8,200.00 equiv.US\$/L.S.)  
Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Reconstruction of road (Ref.to No.B-3)	sq.m	300.00	10.69	3,207.00	6.37	1,911.00
2	Maintenance of the road (20% of No.B-3)	sq.m	500.00	2.14	1,070.00	1.27	635.00
3	Road sign board 20%	L.S.	1.00		855.00		509.00
	<b>Total for 1</b>	<b>L.S.</b>			<b>5,132.00</b>		<b>3,055.00</b>
	<b>Unit price for 1 L.S.</b>				<b>5,100.00</b>		<b>3,100.00</b>







No. 003-2

**Breakdown of Unit Price**

Work : Engineer's office, Package 2

Unit price : F/C 0.00 US\$/L.S. L/C 35,100.00 US\$/L.S.  
(Total 35,100.00 equiv. US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Rental house	month	27.00		0.00	1,000.00	27,000.00
2	Maintenance of house	20%	L.S.	1.00	0.00		5,400.00
3	Running of house	10%	L.S.	1.00	0.00		2,700.00
Total for		1	L.S.		0.00		35,100.00
Unit price for 1 L.S.					0.00		35,100.00

No. 003-3

### Breakdown of Unit Price

Work : Engineer's office, Package 3

Unit price : F/C 0.00 US\$/L.S. L/C 46,800.00 US\$/L.S.

(Total 46,800.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Rental house	month	36.00		0.00	1,000.00	36,000.00
2	Maintenance of house	L.S.	1.00		0.00		7,200.00
3	Runing of house	L.S.	1.00		0.00		3,600.00
	Total for 1	L.S.			0.00		46,800.00
	Unit price for 1 L.S.				0.00		46,800.00

No. 005-1		Breakdown of Unit Price					
Work :		Contractor's temporary yard and facilities, Package 1					
Unit price :		F/C <u>52,400.00</u> US\$/L.S.		L/C <u>159,500.00</u> US\$/L.S.			
		(Total <u>211,900.00</u> equiv.US\$/L.S.)					
Remarks :		1 L.S. basis					
Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Stripping (Ref. to No. 212)	sq.m	9,240.00	0.86	7,946.40	0.47	4,342.80
2	Embankment (Ref. to No. 215)	cu.m	6,600.00	3.53	23,298.00	2.34	15,444.00
3	Office & quarter	sq.m	344.00		0.00	100.00	34,400.00
4	Warehouse, shop & camp	sq.m	984.00		0.00	60.00	59,040.00
5	Repair shop	sq.m	200.00		0.00	40.00	8,000.00
6	Road construction (Ref. to B-3)	sq.m	1,000.00	10.69	10,690.00	6.37	6,370.00
7	Maintenance and operation 25%	L.S.	1.00		10,484.00		31,899.00
	Total for 1	L.S.			52,418.40		159,495.80
	Unit price for 1 L.S.				52,400.00		159,500.00

No. 005-2

## Breakdown of Unit Price

Work : Contractor's temporary yard and facilities, Package 2

Unit price : F/C 48,200.00 US\$/L.S. L/C 146,700.00 US\$/L.S.

(Total 194,900.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Stripping		sq.m	9,240.00	0.86	7,946.40	0.47	4,342.80
	(Ref. to No. 212)						
2 Embankment		cu.m	6,600.00	3.53	23,298.00	2.34	15,444.00
	(Ref. to No. 215)						
3 Office & quarter		sq.m	344.00		0.00	100.00	34,400.00
4 Warehouse, shop & camp		sq.m	984.00		0.00	60.00	59,040.00
5 Repair shop		sq.m	200.00		0.00	40.00	8,000.00
6 Road construction		sq.m	1,000.00	10.69	10,690.00	6.37	6,370.00
	(Ref. to B-3)						
7 Maintenance and operation	15%	L.S.	1.00		6,290.00		19,140.00
Total for	1	L.S.			48,224.40		146,736.80
Unit price for 1 L.S.					48,200.00		146,700.00

No. 005-3

## Breakdown of Unit Price

Work : Contractor's temporary yard and facilities, Package 3

Unit price : F/C 50,300.00 US\$/L.S. L/C 153,100.00 US\$/L.S.

(Total 203,400.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Stripping (Ref. to No. 212)	sq.m	9,240.00	0.86	7,946.40	0.47	4,342.80
2	Embankment (Ref. to No. 215)	cu.m	6,600.00	3.53	23,298.00	2.34	15,444.00
3	Office & quarter	sq.m	344.00		0.00	100.00	34,400.00
4	Warehouse, shop & camp	sq.m	984.00		0.00	60.00	59,040.00
5	Repair shop	sq.m	200.00		0.00	40.00	8,000.00
6	Road construction (Ref. to B-3)	sq.m	1,000.00	10.69	10,690.00	6.37	6,370.00
7	Maintenance and operation 20%	L.S.	1.00		8,387.00		25,519.00
	Total for 1	L.S.			50,321.40		153,115.80
	Unit price for 1 L.S.				50,300.00		153,100.00

No. 006-1

**Breakdown of Unit Price**

Work : Contractor's laboratory, Package 1

Unit price : F/C 15,500.00 US\$/L.S.                                  L/C 7,800.00 US\$/L.S.  
 (Total 23,300.00 equiv. US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Labo. equipment and instruments	month	45.00	300.00	13,500.00	150.00	6,750.00
		Depreciation basis					
2	Consumables	15% L.S.	1.00		2,025.00	120.00	1,013.00
Total for		1	L.S.		15,525.00		7,763.00
Unit price for 1 L.S.					15,500.00		7,800.00



No. 006-2

Breakdown of Unit Price

Work : Contractor's laboratory, Package 2

Unit price : F/C 7,800.00 USS/L.S. L/C 3,900.00 USS/L.S.

(Total 11,700.00 equiv. USS/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Labo. equipment and instruments	month	24.00	300.00	7,200.00	150.00	3,600.00
		Depreciation basis					
2	Consumables	8% L.S.	1.00		576.00	120.00	288.00
	Total for 1	L.S.			7,776.00		3,888.00
	Unit price for 1 L.S.				7,800.00		3,900.00



No. 007-1 **Breakdown of Unit Price**

Work : First aid and ambulance, Package 1

Unit price : F/C 28,800.00 US\$/L.S. L/C 20,200.00 US\$/L.S.

(Total 49,000.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Driver for ambulance	month	48.00		0.00	180.00	8,640.00
2	Ambulance 1 no.	month	48.00	500.00	24,000.00	200.00	9,600.00
3	First aid kit	month	48.00	100.00	4,800.00	40.00	1,920.00
	<b>Total for 1 L.S.</b>				<b>28,800.00</b>		<b>20,160.00</b>
	<b>Unit price for 1 L.S.</b>				<b>28,800.00</b>		<b>20,200.00</b>

No. 007-2

**Breakdown of Unit Price**

Work: First aid and ambulance, Package 2

Unit price: F/C 16,200.00 USS/L.S. I/C 11,300.00 USS/L.S.

(Total 27,500.00 equiv. USS/L.S.)

Remarks: 1 L.S. basis

Particular	Description	Unit	Q'ty	F/C Portion (USS)		I/C Portion (USS)		
				Unit cost	Amount	Unit cost	Amount	
1	Driver for ambulance	month	27.00		0.00	180.00	4,860.00	
2	Ambulance	1 no.	month	27.00	500.00	13,500.00	200.00	5,400.00
3	First aid kit	month	27.00	100.00	2,700.00	40.00	1,080.00	
	<b>Total for 1</b>	<b>L.S.</b>			<b>16,200.00</b>		<b>11,340.00</b>	
	<b>Unit price for 1 L.S.</b>				<b>16,200.00</b>		<b>11,300.00</b>	

No. 007-3

Breakdown of Unit Price

Work : First aid and ambulance, Package 3

Unit price :        F/C 21,600.00 US\$/L.S.                            L/C 15,100.00 US\$/L.S.  
                               (Total 36,700.00 equiv.US\$/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Driver for ambulance		month	36.00		0.00	180.00	6,480.00
2 Ambulance	1 no.	month	36.00	500.00	18,000.00	200.00	7,200.00
3 First aid kit		month	36.00	100.00	3,600.00	40.00	1,440.00
Total for	1	L.S.			21,600.00		15,120.00
Unit price for 1 L.S.					21,600.00		15,100.00

No. 008-1

## Breakdown of Unit Price

Work : Water Supply System, Package 1Unit price : L/C 14,770.00 US\$/L.S.F/C 17,120.00 US\$/L.S.(Total 31,890.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	67%	L.S.	1	depreciation	5,000.00		5,841.00
Water pump	6 in	set	2		0.00	1,470.00	2,940.00
Water pump	4 in	set	2		0.00	1,110.00	2,220.00
Water pump	2 in	set	4		0.00	340.00	1,360.00
Pipe	1 1/4"	lin.m	1,500	2.22	3,330.00	0.25	375.00
Pipe	2"	lin.m	300	4.06	1,218.00	0.46	138.00
Pipe	4"	lin.m	200	10.38	2,076.00	1.16	232.00
Miscellaneous	20%	L.S.	1		1,325.00		1,453.00
sub-total 1					7,949.00		8,718.00
2 Operation	2%	month	48	100.00	4,800.00	116.82	5,607.00
			(2 % per month)				
3 Maintenance	1%	month	48	50.00	2,400.00	58.41	2,804.00
4 Demolition	5%	L.S.	1		104.00		12.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		2,461.00		2,853.00
Total of 1 to 5					14,765.00		17,117.00
Unit price					14,770.00		17,120.00

No. 008-2

Breakdown of Unit Price

Work : Water Supply System, Package 2

Unit price : L/C 6,640.00 US\$/L.S.

F/C 7,210.00 US\$/L.S.

(Total 13,850.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	38%	L.S.	1	depreciation	3,000.00		3,313.00
Water pump	6 in	set	2		0.00	1,470.00	2,940.00
Water pump	4 in	set	2		0.00	1,110.00	2,220.00
Water pump	2 in	set	4		0.00	340.00	1,360.00
Pipe	1 1/4"	lin.m	1,500	2.22	3,330.00	0.25	375.00
Pipe	2"	lin.m	300	4.06	1,218.00	0.46	138.00
Pipe	4"	lin.m	200	10.38	2,076.00	1.16	232.00
Miscellaneous	20%	L.S.	1		1,325.00		1,453.00
sub-total 1					7,949.00		8,718.00
2 Operation	2%	month	27	60.00	1,620.00	66.26	1,789.00
			(2 % per month)				
3 Maintenance	1%	month	27	30.00	810.00	33.13	895.00
4 Demolition	5%	L.S.	1		104.00		12.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		1,107.00		1,202.00
Total of 1 to 5					6,641.00		7,211.00
Unit price					6,640.00		7,210.00

No. 008-3

Breakdown of Unit Price

Work: Water Supply System, Package 3

Unit price: L/C 10,110.00 US\$/L.S. F/C 10,890.00 US\$/L.S.  
 (Total 21,000.00 equiv.US\$/L.S.)

Remarks: \_\_\_\_\_

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	50%	L.S.	1	depreciation	4,000.00		4,359.00
Water pump	6 in	set	2		0.00	1,470.00	2,940.00
Water pump	4 in	set	2		0.00	1,110.00	2,220.00
Water pump	2 in	set	4		0.00	340.00	1,360.00
Pipe	1 1/4"	lin.m	1,500	2.22	3,330.00	0.25	375.00
Pipe	2"	lin.m	300	4.06	1,218.00	0.46	138.00
Pipe	4"	lin.m	200	10.38	2,076.00	1.16	232.00
Miscellaneous	20%	L.S.	1		1,325.00		1,453.00
sub-total 1					7,949.00		8,718.00
2 Operation	2%	month	36	80.00	2,880.00	87.18	3,138.00
			(2 % per month)				
3 Maintenance	1%	month	36	40.00	1,440.00	43.59	1,569.00
4 Demolition	5%	L.S.	1		104.00		12.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		1,685.00		1,816.00
Total of 1 to 5					10,109.00		10,894.00
Unit price					10,110.00		10,890.00



No. 009-1

## Breakdown of Unit Price

Work : Power Supply System, Package 1

Unit price : L/C 90,950.00 US\$/L.S. F/C 16,030.00 US\$/L.S.

(Total 106,980.00 equiv.US\$/L.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	50%	L.S.	1	depreciation	19,044.00		3,357.00
Electric pole		set	46		0.00	110.00	5,060.00
Transformer	50 kVA	set	2	1,870.00	3,740.00		0.00
Diesel generator	50 kVA	set	2	14,000.00	28,000.00		0.00
Power cable	600V,8sq.mm	lin.m	600		0.00	0.89	534.00
Miscellaneous	20%	L.S.	1		6,348.00		1,119.00
sub-total 1					38,088.00		6,713.00
2 Operation	4%	month	48	761.76	36,564.00	134.28	6,445.00
			(2 % per month)				
3 Maintenance	2%	month	48	380.88	18,282.00	67.14	3,223.00
4 Demolition	5%	L.S.	1		1,904.00		336.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		15,159.00		2,672.00
Total of 1 to 5					90,953.00		16,033.00
Unit price					90,950.00		16,030.00

No. 009-2

Breakdown of Unit Price

Work : Power Supply System, Package 2

Unit price : L/C 35,820.00 US\$/L.S. F/C 6,310.00 US\$/L.S.

(Total 42,130.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	28%	L.S.	1	depreciation	10,665.00		1,880.00
Electric pole		set	46		0.00	110.00	5,060.00
Transformer	50 kVA	set	2	1,870.00	3,740.00		0.00
Diesel generator	50 kVA	set	2	14,000.00	28,000.00		0.00
Power cable	600V,8sq.mm	lin.m	600		0.00	0.89	534.00
Miscellaneous	20%	L.S.	1		6,348.00		1,119.00
sub-total 1					38,088.00		6,713.00
2 Operation	4%	month	27	426.60	11,518.00	75.20	2,030.00
				(2 % per month)			
3 Maintenance	2%	month	27	213.30	5,759.00	37.60	1,015.00
4 Demolition	5%	L.S.	1		1,904.00		336.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		5,969.00		1,052.00
Total of 1 to 5					35,815.00		6,313.00
Unit price					35,820.00		6,310.00

No. 009-3

## Breakdown of Unit Price

Work : Power Supply System, Package 3Unit price : L/C 57,170.00 US\$/L.S.F/C 10,080.00 US\$/L.S.(Total 67,250.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	38%	L.S.	1	depreciation	14,473.00		2,551.00
Electric pole		set	46		0.00	110.00	5,060.00
Transformer	50 kVA	set	2	1,870.00	3,740.00		0.00
Diesel generator	50 kVA	set	2	14,000.00	28,000.00		0.00
Power cable	600V,8sq.mm	lin.m	600		0.00	0.89	534.00
Miscellaneous	20%	L.S.	1		6,348.00		1,119.00
sub-total 1					38,088.00		6,713.00
2 Operation	4%	month	36	578.92	20,841.00	102.04	3,673.00
			(2 % per month)				
3 Maintenance	2%	month	36	289.46	10,421.00	51.02	1,837.00
4 Demolition	5%	L.S.	1		1,904.00		336.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		9,528.00		1,679.00
Total of 1 to 5					57,167.00		10,076.00
Unit price					57,170.00		10,080.00

No. 010-1

Breakdown of Unit Price

Work : Telecommunication System, Package 1

Unit price : L/C 36,520.00 US\$/L.S. F/C 17,400.00 US\$/L.S.

(Total 53,920.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	100%	L.S.	1	depreciation	480.00		1,440.00
Mobile telephone		set	20	20.00	400.00	30.00	600.00
Hand walkie-talkie		set	10		0.00	60.00	600.00
Miscellaneous	20%	L.S.	1		80.00		240.00
sub-total 1					480.00		1,440.00
2 Operation		month	48	600.00	28,800.00	200.00	9,600.00
3 Maintenance	5%	month	48	24.00	1,152.00	72.00	3,456.00
4 Demolition	0%	L.S.	1		0.00		0.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		6,086.00		2,899.00
Total of 1 to 5					36,518.00		17,395.00
Unit price					36,520.00		17,400.00

No. 010-2

Breakdown of Unit Price

Work : Telecommunication System, Package 2

Unit price : L/C 20,790.00 US\$/L.S. F/C 10,540.00 US\$/L.S.

(Total 31,330.00 equiv.US\$/L.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	100%	L.S.	1	depreciation	480.00		1,440.00
Mobile telephone		set	20	20.00	400.00	30.00	600.00
Hand walkie-talkie		set	10		0.00	60.00	600.00
Miscellaneous	20%	L.S.	1		80.00		240.00
sub-total 1					480.00		1,440.00
2 Operation		month	27	600.00	16,200.00	200.00	5,400.00
3 Maintenance	5%	month	27	24.00	648.00	72.00	1,944.00
4 Demolition	0%	L.S.	1		0.00		0.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		3,466.00		1,757.00
Total of 1 to 5					20,794.00		10,541.00
Unit price					20,790.00		10,540.00

No. 010-3

Breakdown of Unit Price

Work : Telecommunication System, Package 3

Unit price : L/C 27,530.00 US\$/L.S. F/C 13,480.00 US\$/L.S.

(Total 41,010.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Installation	100%	L.S.	1	depreciation	480.00		1,440.00
Mobile telephone		set	20	20.00	400.00	30.00	600.00
Hand walkie-talkie		set	10		0.00	60.00	600.00
Miscellaneous	20%	L.S.	1		80.00		240.00
sub-total 1					480.00		1,440.00
2 Operation		month	36	600.00	21,600.00	200.00	7,200.00
3 Maintenance	5%	month	36	24.00	864.00	72.00	2,592.00
4 Demolition	0%	L.S.	1		0.00		0.00
	against sub-total 1						
5 Overhead	20%	L.S.	1		4,589.00		2,246.00
Total of 1 to 5					27,533.00		13,478.00
Unit price					27,530.00		13,480.00

No. 011

Breakdown of Unit Price

Work : Boreholes and exploratory excavation

Unit price : L/C 51.17 US\$/site F/C 29.48 US\$/site

(Total 80.65 equiv.US\$/site)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Excavation	(Ref. to No. 214)	cu.m	10.00	3.28	32.80	1.89	18.90
2 Data analysis	30%	L.S.	1.00		9.84		5.67
3 Overhead	20%	L.S.	1.00		8.53		4.91
Total for 1 site					51.17		29.48
Unit Price							
for Package 1		site	30.00	51.17	1,540.00	29.48	880.00
for Package 2		site	10.00	51.17	510.00	29.48	290.00
for Package 3		site	25.00	51.17	1,280.00	29.48	740.00

No. 012-1 Breakdown of Unit Price

Work: All risk insurance, Package 1  
 Unit price: L/C 10,600.00 US\$/L.S. F/C 7,200.00 US\$/L.S.  
 (Total 17,800.00 equiv. US\$/L.S.)

Remarks: \_\_\_\_\_  
 \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
0	General Item	L.S.	1.00		569,482		512,864
1	Relocation/reconstruction of public facilities	L.S.	1.00		0		577,030
2	Drainage channel	L.S.	1.00		2,784,289		1,581,618
3	Drainage facilities	L.S.	1.00		352,789		166,708
4	Bridge and road	L.S.	1.00		1,587,186		771,617
	Total of 0 to 4				5,293,746		3,609,837
	All risk insurance	0.20%	L.S.	1.00	10,587		7,220
	Unit Price for 1 L.S.				10,600		7,200



No. 012-2

**Breakdown of Unit Price**

Work : All risk insurance, Package 2

Unit price : L/C 5,500.00 US\$/L.S. F/C 3,200.00 US\$/L.S.

(Total 8,700.00 equiv.US\$/L.S.)

Remarks :

Particular	Description	Unit	Qty	F.C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
0 General Item		L.S.	1.00		315,215		318,224
1 Relocation/reconstruction of public facilities		L.S.	1.00		0		118,020
2 Drainage channel		L.S.	1.00		1,529,328		822,382
3 Drainage facilities		L.S.	1.00		73,849		30,138
4 Bridge and road		L.S.	1.00		809,348		300,783
Total of 0 to 4					2,727,740		1,589,547
All risk insurance	0.20%	L.S.	1.00		5,455		3,179
Unit Price for 1 L.S.					5,500		3,200

No. 012-3

Breakdown of Unit Price

Work : All risk insurance, Package 3  
 Unit price : L/C 12,900.00 US\$/L.S. F/C 8,300.00 US\$/L.S.  
 (Total 21,200.00 equiv.US\$/L.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
0	General Item	L.S.	1.00		398,527		391,045
1	Relocation/reconstruction of public facilities	L.S.	1.00		0		461,870
2	Drainage channel	L.S.	1.00		4,354,926		2,430,781
3	Drainage facilities	L.S.	1.00		482,464		224,439
4	Bridge and road	L.S.	1.00		1,225,316		658,282
Total of 0 to 4					6,461,233		4,166,417
	All risk insurance	0.20%	L.S.	1.00	12,922		8,333
Unit Price for 1 L.S.					12,900		8,300

No. 014

**Breakdown of Unit Price**

Work : Survey equipment for Engineer

Unit price : F/C 3,670.00 USS/L.S. L/C 980.00 USS/L.S.

(Total 4,650.00 equiv. USS/L.S.)

Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (USS)		L/C Portion (USS)	
				Unit cost	Amount	Unit cost	Amount
1 Instrument							
a) Geo-meter		unit	1.00	2,000.00	2,000.00	500.00	500.00
b) Level		unit	1.00	1,000.00	1,000.00	300.00	300.00
c) Stand		unit	1.00	60.00	60.00	20.00	20.00
d) Miscellaneous	10%	L.S.	1.00		306.00		82.00
sub-total 1					3,060.00		820.00
4 Overhead	20%	L.S.	1.00		612.00		164.00
Total for 1 L.S.					3,672.00		984.00
Unit Price					3,670.00		980.00

No. 015

**Breakdown of Unit Price**

Work : Transportation equipment for Engineer  
 Unit price : F/C 53,760.00 US\$/L.S. L/C 15,840.00 US\$/L.S.  
 (Total 69,600.00 equiv.US\$/L.S.)  
 Remarks : 1 L.S. basis

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Equipment							
a) 4 WD station wagon		unit	2.00	20,000.00	40,000.00	5,000.00	10,000.00
b) Motorcycle		unit	4.00	1,200.00	4,800.00	800.00	3,200.00
c) Spare parts	20%	L.S.	1.00		8,960.00		2,640.00
sub-total 1					44,800.00		13,200.00
4 Overhead	20%	L.S.	1.00		8,960.00		2,640.00
Total for 1 L.S.					53,760.00		15,840.00
Unit Price					53,760.00		15,840.00

No. 016-1

Breakdown of Unit Price

Work : Topographic survey, Package 1

Unit price : L/C 62,000.00 US\$/P.S. F/C 66,500.00 US\$/P.S.

(Total 128,500.00 equiv.US\$/P.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Topographic survey		sq.m	142,000.00	0.28	39,760.00	0.30	42,600.00
2 Data analysis	30%	L.S.	1.00		11,928.00		12,780.00
3 Overhead	20%	L.S.	1.00		10,338.00		11,076.00
	Total for 1 P.S.				62,026.00		66,456.00
	Unit Price for 1 P.S.				62,000.00		66,500.00

No. 016-2

Breakdown of Unit Price

Work : Topographic survey, Package 2

Unit price : L/C 19,700.00 US\$/P.S. F/C 21,100.00 US\$/P.S.  
 (Total 40,800.00 equiv. US\$/P.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Topographic syrvey		sq.m	45,000.00	0.28	12,600.00	0.30	13,500.00
2 Data analysis	30%	L.S.	1.00		3,780.00		4,050.00
3 Overhead	20%	L.S.	1.00		3,276.00		3,510.00
Total for 1 P.S.						19,656.00	21,060.00
Unit Price for 1 P.S.						19,700.00	21,100.00

No. 016-3		Breakdown of Unit Price					
Work :		Topographic survey, Package 3					
Unit price :		L/C	40,600.00	US\$/P.S.	F/C	43,500.00	US\$/P.S.
		(Total 84,100.00 equiv. US\$/P.S.)					
Remarks :							
Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Topographic survey		sq.m	93,000.00	0.28	26,040.00	0.30	27,900.00
2 Data analysis	30%	L.S.	1.00		7,812.00		8,370.00
3 Overhead	20%	L.S.	1.00		6,770.00		7,254.00
Total for 1 P.S.					40,622.00		43,524.00
Unit Price for 1 P.S.					40,600.00		43,500.00

No. 017-1

Breakdown of Unit Price

Work : Site clearance, Package I

Unit price : F/C 1.01 US\$/sq.m                      L/C 0.62 US\$/sq.m  
 (Total 1.63 equiv.US\$/sq.m)

Remarks : 1 L.S. basis  
159,378 sq.m                      20% housing area (assumed)

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Demolition of house 50% of Item No. 211)	sq.m	31,875.60	1.61	51,319.72	1.23	39,206.99
2	Land clearing (Ref. to No. 212)	sq.m	127,502.40	0.86	109,652.06	0.47	59,926.13
<b>Total for 159,378 sq.m</b>					160,971.78		99,133.12
<b>Unit Price for 1 sq.m</b>					1.01		0.62



No. 017-2

**Breakdown of Unit Price**

Work : Site clearance, Package 2

Unit price : F/C 0.88 US\$/sq.m L/C 0.49 US\$/sq.m  
 (Total 1.37 equiv.US\$/sq.m)

Remarks : 1 L.S. basis  
 99,926 sq.m 2,000 housing area

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1 Demolition of house	50% of Item No. 211)	sq.m	2,722.00	1.61	4,382.42	1.23	3,348.06
2 Land clearing	(Ref. to No. 212)	sq.m	97,204.00	0.86	83,595.44	0.47	45,685.88
Total for	99,926 sq.m				87,977.86		49,033.94
Unit Price for 1 sq.m					0.88		0.49

No. 017-3

**Breakdown of Unit Price**

Work :	Site clearance, Package 3			
Unit price :	F/C	1.01 US\$/sq.m	L/C	0.62 US\$/sq.m
	(Total	1.63 equiv.US\$/sq.m)		
Remarks :	1 L.S. basis			
	62,185 sq.m		20% housing area (assumed)	

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
1	Demolition of house (50% of Item No. 211)	sq.m	12,437.00	1.61	20,023.57	1.23	15,297.51
2	Land clearing (Ref. to No. 212)	sq.m	49,748.00	0.86	42,783.28	0.47	23,381.56
	<b>Total for 62,185 sq.m</b>				<b>62,806.85</b>		<b>38,679.07</b>
	<b>Unit Price for 1 sq.m</b>				<b>1.01</b>		<b>0.62</b>

No. 101-11

Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package 1, Stage I

Unit price : L/C 0.00 US\$/P.S. F/C 11,700.00 US\$/P.S.

(Total 11,700.00 equiv.US\$/P.S.)

Remarks : \_\_\_\_\_

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	13		0.00	900.00	11,700.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	<b>Total</b>				<b>0.00</b>		<b>11,700.00</b>
	<b>Unit price</b>				<b>0.00</b>		<b>11,700.00</b>

No. 101-12

Breakdown of Unit Price

Work: Relocation/Reconstruction of public electric utilities, Package I, Stage II

Unit price: L/C 0.00 US\$/P.S. F/C 218,400.00 US\$/P.S.

(Total 218,400.00 equiv.US\$/P.S.)

Remarks:

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	14		0.00	900.00	12,600.00
3	Electric cable duct	no.	6		0.00	300.00	1,800.00
4	Electric cable girder	no.	2		0.00	102,000.00	204,000.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		218,400.00
Unit price					0.00		218,400.00

No. 101-13

Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package I, Stage III  
 Unit price : L/C 0.00 US\$/P.S. F/C 206,700.00 US\$/P.S.  
 (Total 206,700.00 equiv.US\$/P.S.)

Remarks : \_\_\_\_\_  
 \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	9		0.00	300.00	2,700.00
4	Electric cable girder	no.	2		0.00	102,000.00	204,000.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		206,700.00
Unit price					0.00		206,700.00

No. 101-21

Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package 2, Tanjung

Unit price : L/C 0.00 US\$/P.S. F.C 116,100.00 US\$/P.S.

(Total 116,100.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	14		0.00	900.00	12,600.00
3	Electric cable duct	no.	5		0.00	300.00	1,500.00
4	Electric cable girder	no.	1		0.00	102,000.00	102,000.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		116,100.00
Unit price					0.00		116,100.00

No. 101-31

Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package 3, S. Cengkareng

Unit price : L/C 0.00 US\$/P.S. F/C 214,200.00 US\$/P.S.  
 (Total 214,200.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>Relocation/Reconstruction</b>							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	8		0.00	900.00	7,200.00
3	Electric cable duct	no.	10		0.00	300.00	3,000.00
4	Electric cable girder	no.	2		0.00	102,000.00	204,000.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	<b>Total</b>				<b>0.00</b>		<b>214,200.00</b>
	<b>Unit price</b>				<b>0.00</b>		<b>214,200.00</b>

No. 101-32

### Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package 3, Gede/Bor

Unit price : L/C 0.00 US\$/P.S. F/C 117,600.00 US\$/P.S.

(Total 117,600.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0	0.00		800.00	0.00
2	Electric pole	no.	14	0.00		900.00	12,600.00
3	Electric cable duct	no.	10	0.00		300.00	3,000.00
4	Electric cable girder	no.	1	0.00		102,000.00	102,000.00
5	Telephone pole	no.	0	0.00		630.00	0.00
6	Telephone cable pipe	no.	0	0.00		210.00	0.00
7	Telephone concrete duct	no.	0	0.00		8,000.00	0.00
8	Telephone cable girder	no.	0	0.00		61,200.00	0.00
9	Telephone manhole	no.	0	0.00		1,500.00	0.00
10	Steel water tank	no.	0	0.00		5,000.00	0.00
11	Water pipe	no.	0	0.00		850.00	0.00
12	Gas pipe	no.	0	0.00		1,500.00	0.00
	Total				0.00		117,600.00
Unit price					0.00		117,600.00



No. 101-33

Breakdown of Unit Price

Work : Relocation/Reconstruction of public electric utilities, Package 3, Meruya

Unit price : L/C 0.00 US\$/P.S. F/C 25,500.00 US\$/P.S.

(Total 25,500.00 equiv. US\$/P.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	28		0.00	900.00	25,200.00
3	Electric cable duct	no.	1		0.00	300.00	300.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		25,500.00
	Unit price				0.00		25,500.00

No. 102-11

Breakdown of Unit Price

Work : Relocation/Reconstruction of public water utilities, Package 1, Stage 1

Unit price : LC 0.00 US\$/P.S. F/C 5,000.00 US\$/P.S.

(Total 5,000.00 equiv. US\$/P.S.)

Remarks :

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	1		0.00	5,000.00	5,000.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
Total					0.00		5,000.00
Unit price							
					0.00		5,000.00

No. 102-31

Breakdown of Unit Price

Work : Relocation/Reconstruction of public water utilities, Package 3, S. Cengkareng

Unit price : L/C 0.00 US\$/P.S. F/C 1,700.00 US\$/P.S.  
 (Total 1,700.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0	0.00		800.00	0.00
2	Electric pole	no.	0	0.00		900.00	0.00
3	Electric cable duct	no.	0	0.00		300.00	0.00
4	Electric cable girder	no.	0	0.00		102,000.00	0.00
5	Telephone pole	no.	0	0.00		630.00	0.00
6	Telephone cable pipe	no.	0	0.00		210.00	0.00
7	Telephone concrete duct	no.	0	0.00		8,000.00	0.00
8	Telephone cable girder	no.	0	0.00		61,200.00	0.00
9	Telephone manhole	no.	0	0.00		1,500.00	0.00
10	Steel water tank	no.	0	0.00		5,000.00	0.00
11	Water pipe	no.	2	0.00		850.00	1,700.00
12	Gas pipe	no.	0	0.00		1,500.00	0.00
	Total				0.00		1,700.00
Unit price					0.00		1,700.00

No. 102-32

Breakdown of Unit Price

Work: Relocation/Reconstruction of public water utilities, Package 3, Gede/Bor  
 Unit price: L/C 0.00 US\$/P.S. F/C 1,700.00 US\$/P.S.  
 (Total 1,700.00 equiv.US\$/P.S.)

Remarks: \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	0		0.00	210.00	0.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	2		0.00	850.00	1,700.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		1,700.00
Unit price					0.00		1,700.00

No. 103-12

Breakdown of Unit Price

Work : Relocation/Reconstruction of public communication utilities, Package 1, Stage II

Unit price : L/C 0.00 US\$/P.S. F/C 130,820.00 US\$/P.S.

(Total 130,820.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Q'ty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	2		0.00	210.00	420.00
7	Telephone concrete duct	no.	1		0.00	8,000.00	8,000.00
8	Telephone cable girder	no.	2		0.00	61,200.00	122,400.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		130,820.00
Unit price					0.00		130,820.00



No. 103-21

Breakdown of Unit Price

Work : Relocation/Reconstruction of public communication utilities, Package 2, Tanjung  
 Unit price : L/C 0.00 US\$/P.S. F/C 420.00 US\$/P.S.  
 (Total 420.00 equiv.US\$/P.S.)  
 Remarks : \_\_\_\_\_

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
Relocation/Reconstruction							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	0		0.00	630.00	0.00
6	Telephone cable pipe	no.	2		0.00	210.00	420.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		420.00
Unit price					0.00		420.00

No. 103-31

Breakdown of Unit Price

Work : Relocation/Reconstruction of public communication utilities, Package 3, S. Cengkareng

Unit price : L/C 0.00 US\$/P.S. F/C 1,680.00 US\$/P.S.

(Total 1,680.00 equiv.US\$/P.S.)

Remarks :

Particular	Description	Unit	Qty	F/C Portion (US\$)		L/C Portion (US\$)	
				Unit cost	Amount	Unit cost	Amount
<b>Relocation/Reconstruction</b>							
1	Entrance gate	no.	0		0.00	800.00	0.00
2	Electric pole	no.	0		0.00	900.00	0.00
3	Electric cable duct	no.	0		0.00	300.00	0.00
4	Electric cable girder	no.	0		0.00	102,000.00	0.00
5	Telephone pole	no.	2		0.00	630.00	1,260.00
6	Telephone cable pipe	no.	2		0.00	210.00	420.00
7	Telephone concrete duct	no.	0		0.00	8,000.00	0.00
8	Telephone cable girder	no.	0		0.00	61,200.00	0.00
9	Telephone manhole	no.	0		0.00	1,500.00	0.00
10	Steel water tank	no.	0		0.00	5,000.00	0.00
11	Water pipe	no.	0		0.00	850.00	0.00
12	Gas pipe	no.	0		0.00	1,500.00	0.00
	Total				0.00		1,680.00
Unit price					0.00		1,680.00