Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT

4B0208

FC: YEN

LC: US\$

Truck 4t with crane per day

No	Work Item	Unit	Quantity			Ва	sic Price			Uni	t Cost
			İ .	Mat	erial	L	abor	Equip	ment	Aı	nount
<u> </u>				FC	LC	FC	LC	FC	· LC ·	FC	LC
1	Material										
	Fuel & Lubricant	lr.	250.00		0. 33	· .				0	83
	Others	L.S.	1	•	0.00		•			0	0
	Sub Total									. 0	83
										·	·
2	Labor		[]								
	Operator	man. day	1			o	33.00			. 0	33
	Others	L. S.	1			0	0.00			0	0
	Sub Total									0	33
3	Equipment										
l .	Truck 4t with crane	day	1					5520	. 0	5, 520	0
	Sub Total								•	5, 520	o
			Ì	•				·			
	Total					. '		•		5, 520	116

Fuel & Lubricant: 269ps x 0.11 x 4 x 1.05

100ns x 0.2 x 6 x 1 05

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

per day

4B0208

Total

Truck crane 16t

FC: YEN

LC: US\$

Unit Cost Basic Price Work Item Unit Quantity Equipment Labor Amount Material FC LC FC LC ·LC LC FC FC 1 Material 78 235.00 0.33 Fuel & Lubricant lr. 0.00 L. S. Others 78 Sub Total 2 Labor 33 33.00 man, day Operator 0 0.00 Others L.S. 33 Sub Total 3 Equipment 9, 480 9480 Truck crane 16t day 9, 480 Sub Total

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

9,480

111

4B0210

FC: YEN

Installation of Swing check valve diameter 63mm

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	ment	Aı	mount
				- FC	LC	FC	ĽC	FC	LC .	• FC	LC
1	Material										
	Swing check valve	nos.	3	0	252. 75					0	758
٠.	Truck with crane 8t	day	0.1	. 0	83					. 0	8
	Sub Total									0	767
2	Labor										-
	Foreman	man. day	0.1			0	38. 20			0	4
	Labor	man. day	0.4			0	14.30			0	6
	Truck 4t with crane	man. day	0.1			0	. 33			0	3
	Sub Total						•			0	13
3	Equipment						* .				
	Truck 8t with crane	day	0.1					3,360	0	336	0
	Sub Total									336	0
								Total		336	779
								Unit Price p	oer no.	112.00	259. 78
	INDIRECT COST								15%	16.80	38.97
	TOTAL			-	<u> </u>					129	298. 75

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4B0210

FC: YEN

LC: US\$

Truck 4t with crane per day

	Truck 4t with crane pe	er day					20. 004			I	
No	Work Item	Unit	Quantity			Ba	sic Price			Uni	t Cost
	·	1		Mate	rial	L	abor	Equip	ment	· An	nount
				FC	LC	FC	LC	FC	LC	FC	LC -
1	Material										
	Fuel & Lubricant	lr.	250.00	. 0	0.33					. 0	. 83
i e	Others	L. S.	1	0	0.00					0	0
!	Sub Total									0	. 83
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	· 1			С	0.00	,		0	(
	Sub Total									0	33
- 3	Equipment	1									
	Truck 4t with crane	day	1				9 .	3360	C	3,360	
	Sub Total									3, 360	
	Total									3, 360	11

Fuel & Lubricant: 269ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 4B0301

PIT AND MANHOLES TYPE 3

FC: YEN

LC: US\$

, No	Work Item	Unit	Quantity		Basic	Price	Unit (Cost
							Amou	int
	•		-		FC	LC	FC	LC
4B030101	Excavation & Disposal	Nos.	6		172.50	3.06	1, 035	18. 33
4B030102	Crushed Stone for Foundation	Nos	6		110.14	1. 91	661	11.46
4B030103	Lean Concrete	Nos.	6		44. 16	2.71	265	16. 29
4B030104	Reinforcement	Nos.	6		136. 85	7.41	821	44. 48
4B030105	Corner Angle	Nos.	6		45.75	5. 40	274	32. 41
4B030106	Concrete Placing	Nos.	6		197.80	148.46	1, 187	890.78
4B030107	Backfill Sand & Compaction	Nos.	6		142.34	3. 26	854	19. 59
	Total						5, 097	1, 033. 34
				Uni	t Price per No.		850	172. 22

Excavation & Disposal for Manhole

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
				Mate:	rial	L	abor	Equip	ment	Amoı	int
•				FC	LC	FC	LC	FC	LC	FC	LC ·
1	Material		·								
	Excavation sand	m3	1. 62	. 0	0.00					. 0	0
	Fuel Backhoe 0.8m3	day	0.05	0	95		•			. 0	5
	" Dump truck 10t	day	0.1	. 0	105		· · · · · · · · · · · · · · · · · · ·			0	5
,	Sub Total				'.					0	10
2	Labor			į		,					•
'	Foreman	man. day	0.05			0	38. 20	٠.		0	2
	Labor	man. day	0.05			0	14. 30	•		0	1
	Backhoe 0.8m3	man. day	0, 05			0.	33			0	2 -
	Dump truck 10t	man. day	0.05		·.	0	33			0	2
	Sub Total									0	6
3	Equipment										
	Backhoe 0.8m3	day	0,05					11, 280	0	564	
	Dump truck 10t	day	0.05					6, 720	0	336	C
	Sub Total									900	C
								Total		900	16
								Unit Price	per No.	150_00	2. 66
	INDIRECT COST								15%	22. 50	0.40
	TOTAL									173	3_06

4B030102

FC: YEN

Crushed stone for Foundation of Manhole

LC: US\$

Crushed Stone for roun	de cron	/I Maimoro				TO. 000			10cai cacina	00 202 0 1.00
No Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
		1 1	Mat	erial	L	abor	Equip	ment	Amo	unt
	٠.		FC ·	LC	FC	LC	FC	LC	FC	LC
l Material										
Crushed stone	m3	0. 13	0	5. 16		* .	,		0	0.67
Wasted crushed stone (25%) m3	0.03	0	5. 16				:	. 0	0.17
Fuel Backhoe 0.8m3	day	0.05	0	95				. •	0	4.77
" Tampa 60kg	day	0.1	0,	2					0	0.08
Sub Total					•				0	5. 69
2 Labor										
Foreman	man. day	0.05			0	38. 20			. 0	1.91
Labor	man. day	0.05	• .		0	14. 30			. 0	0.72
Backhoe 0.8m3	man. day	0. 05			0	33			. 0	1.65
Sub Total			•						. 0	4. 28
3 Equipment										
Backhoe 0.8m3	day	0.05					11, 280	0 -	564.00	
Tampa 60kg	day	0.05					212.40	. 0	10.62	
Sub Total	٠.				,#				575	
							Total		575	10
		· · · · · · · · · · · · · · · · · · ·					Unit Price p	er No.	95. 77	1.66
INDIRECT COST								15%	14. 37	0.25
TOTAL		····							110	1.91

4B030103

FC: YEN

,	Lean Concrete				•		LC: US\$			Total estimate	for 6Nos
No	Work Item	Unit	Quantity			Basi	ic Price			Unit C	ost
			1	Mat	erial	L	abor	Equip	nent	Amour	nt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Ready mixed concrete	m3	0. 15	0	65.00	1.				0	10
	Wasted concrete(1.5%)	m3	0.00	0	65.00			,		0	0
	Fuel Concrete mixer 0.6m3	day	0.03	. 0	0					0	0
	" Generator 45KVA	day	0.03	0	24			<u> </u>		. 0	1
	Sub Total						ļ			0	11
2	Labor										
	Foreman	man. day	0.03		,	0	38, 20			0	1
	Labor	man. day	0.03			. 0	14. 30)		0	. 0
	Concrete mixer 0.6m3	day	0.03			. 0	33		·	0	1
	Generator 45KVA	day	0. 03			0	. 33			0	1
	Sub Total								*	0	4
:	Equipment										
	Concrete mixer 0.6m3	day	0.03					6, 480	-0	194. 4	0
	Generator 45KVA	day	0.03					1,080	. 0	32. 4	0
	Vibrator	day	0.03					120	0	3.6	0
	Sub Total		1							230	0
							- i	Total	÷	230	14
								Unit Price p		38.40	2. 36
	INDIRECT COST								15%		0.35
	TOTAL									44	2.71

4B030104

FC: YEN

Reignforcement

LC: US\$

Keighforcement				·		TO: 020			TOTAL ESTIMA	00 101 0 1100
No Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
			Mate	erial	La	abor	Equip	ment	Amo	unt
			FC	LC	FC ·	LC	FC	LC	FC ·	LC
l Material										4
Reinforcement bar	kg	57. 30	0	0. 36					0	21
Wasted steel bar(1.5%)	. kg	0.86	0	0. 36					0	0
Fuel Truck crane 16t	day	0.05	0	77					0	4
. " Truck 8t	day	0.05	0	80					0	4
" Generator 45KVA	day	0, 05	0	24					; o	1
Sub Total									0	30
2 Labor										•
Foreman	man. day	0.05			0	38. 20			0	2
Labor	man. day	0.05	.		0	14. 30	1		0	
Welder	man, day	0.05	İ		0	23.09			0	. 1
Truck crane 16t	man, day	0.05	1		0	33			. 0	. 2
Truck 8t	man. day	0.05	.		-0	33	59	· .	. 0	. 2
Generator 45KVA	man, day	0.05			. 0	33			0	2
Sub Total	1						i .		0	9
3 Equipment					:					
Truck crane 16t	day	0.05		. :			9, 480	0	474	
Truck 8t	day	0.05					3,480	. 0	174	
Generator 45KVA	day	0.05					1,080	0	54	
Bar cutter	day	0,05					120	0	6	
Bar bender	day	0.05					120	0	6	
Sub Total			4.4						714	•
·							Total		714	39
					-		Unit Price p	er No.	119.00	6. 45
INDIRECT COST								15%	17.85	0.97
TOTAL									137	7.41

LA UNION PORT DEVELOPMENT PROJECT

'4B030105

FC: YEN

Corner Angle for Manhole

LC: US\$

	Corner Angle for Manho	le .					TC- 624			TOTAL COTAMO	
No	Work Item		Quantity			Basi	c Price			Unit	
				Mat	erial	L	abor	Equipm	ent	Ато	
				FC	LC	FC	LC	FC	LC -	FC ·	LC
ij	Material										
	Coner angle	kg	42. 50	0	0, 36					. 0	15
•	Wasted corner angle(2%)	kg	0.85	0	0. 36		·			. 0	
	Miscellaneous	L. S.	1	· . 0	0. 31					. 0	C
	Fuel Truck 8t	day	0.05	0	80					. 0	. 4
	" Generator 45KVA	day	0.05	0	24		,	·	1	0	Ĭ
	Sub Total						·]		0	. 21
2	Labor								- '		
	Foreman	man. day	0.05			0	38. 20			0	:
	Labor	man. day	0.05			. 0	14. 30			0	
	Welder	man. day	0, 05	,		0	23.09			0	
4.	Truck 8t	man. day	0.05			. 0	33	·		0	
	Generator 45KVA	man. day	0.05			0	33			0	
	Sub Total] .					0 '	
	Equipment				· .						
	Truck 8t	day	0.05	,				3, 480	0	174	
	Generator 45KVA	day	0.05					1,080	0	54	
	Welder 300A	day	0.05					120	0	6	
	Other equipment	L.S.	1			· ·		5	0	. 5	•
	Sub Total		'							239	
	1000 1000					<u></u> ,		Total		239	2
								Unit Price p	er No.	39.78	4.7
	INDIRECT COST						· · · · · · · · · · · · · · · · · · ·		15%	5.97	0.7
	TOTAL				"					46	5.40

LA UNION PORT DEVELOPMENT PROJECT

4B030106

FC: YEN

Concrete Placing

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mat	erial	L,	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC ⁻	LC
1	Material										
	Cover for manhole	Nos	6.00	0	101.33		·			0	608
	Ready mixed concrete	m3 ·	1.45	. 0	70.00		ļ			. 0	102
	Wasted concrete(5%)	m3	0, 07	0	70.00		٠.			0	5
	Formwork	m2	7.60	0	5. 50	٠				. 0	42
1	Fuel Truck crane 16t	day	0.05	0	77			· .		. 0	4
	" Concrete mixer 0.6m3	day	0.05	. 0	. 0					0	0
	" Generator 45KVA	day	0.05	0	24					0	. 1
	" Truck 8t	day	0.05	0	80					0	4
	Sub Total									0	. 765
2	Labor				, i			· .			
	Foreman	man. day	0.05			. 0	38.20			0	. 2
	Labor	man. day	0.05			. 0	14.30			. 0	· 1
1	Truck crane 16t	man. day	0.05			0 -	33			. 0	. 2
	Concrete mixer 0.6m3	man. day	0.05			0	33		· ·	. 0	2
1	Generator 45KVA	man, day	0.05			. 0	33			0	2
1	Truck 8t	man, day	0.05		. i	0	33			. 0	2
	Sub Total									0	9
3	 Equipment						1		i .		
	Truck crane 16t	day	0.05		·	* .		9, 480	0	474	0
	Concrete mixer 0.6m3	day	0.05					6, 480	0	324	0
1	Generator 45KVA	day	0.05				·	1,080	0	54	. 0
1		day	0.05				,	3, 480	0	174	0
1	Vibrator	day	0.05					120	٥	6	. 0
1 .	Sub Total									1,032	0
	<u> </u>							Total		1,032	775
		1.7				Ž.		Unit Price	er No.	172.00	129, 10
	INDIRECT COST								15%	25. 80	19. 36
	TOTAL	·	·							198	148. 46

Backfill sand & Compaction

FC: YEN

LC: US\$

	Backfill sand & Compacti	.on					TC 024			TOTAL CSTANA	
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
				- FC	LC	FC	rc	FC	. TC	FC	LC
1	Material										
	Backfill sand	m3	0.7	0	4. 00	•				. 0	3
	Wasted Backfill sand (25%)	m3	0. 175	0	4.00	•				. 0	1
,	Fuel Backhoe 0.8m3	day	0.05	0	95	eta,				0	. 5
	" Tire roller 8-20t	day	0.05	0	55					. 0	3
	" Tampa 60kg	day	0.05	. 0	2			_		0	. 0
٠.	Sub Total			,			İ			0	11
2	Labor										
	Foreman	man, day	0.05			, o	38. 20			0	2
	Labor	man. day	0.05			0	14. 30		·	. 0	1
	Backhoe 0.8m3	man. day	0.05			- 0	33			0	. 2
	Tire roller 8-20t	man. day	0.05			. 0	33			0	2
	Sub Total									0	6
. 3	Equipment			,							
	Backhoe 0.8m3	day	0.05					11, 280	0	564	ا
	Tire roller 8-20t	day	0.05					3, 360	0	168	
	Tampa 60kg	day	0.05					212	0	11	
	Sub Total							<u> </u>		743	
-								Total	٠.	743	17
	•							Unit Price	per No.	123. 77	2. 84
	INDIRECT COST		· · · · · · · · · · · · · · · · · · ·			-			15%		0.43
	TOTAL									142	3. 26

4B030104

FC: YEN

Reignforcement

LC: US\$

No Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
·	'		Mate	erial	L;	abor	Equip	ment	Amo	unt
	ĺ		FC	LC	FC ·	LC	FC	LC	FC ·	LC
l Material										
Reinforcement bar	kg	57. 30	0	0. 36					0	21
Wasted steel bar(1.5%)	. kg	0.86	0	0. 36					0	0
Fuel Truck crane 16t	day	0.05	0	77				1.	0	4
" Truck 8t	day	0.05	0	80					0	4
" Generator 45KVA	day	0, 05	0	24					С 0	1
Sub Total						,			. 0	30
2 Labor										
Foreman	man, day	0.05			0	38. 20			0	2
Labor	man. day	0.05	·		0	14. 30			0	. 1
Welder	man, day	0.05	į	j	0	23. 09	,		. 0	1
Truck crane 16t	man, day	0.05	1		0	33			0	2
Truck 8t	man. day	0.05	.		- 0	33			. 0	2
Generator 45KVA	man, day	0.05			. 0	33			• 0	2
Sub Total	1								0	9
3 Equipment				·	:	,			,	
Truck crane 16t	day	0. 05					9, 480	0	474	
Truck 8t	day	0.05					3,480	0	174	
Generator 45KVA	day	0.05					1,080	0	54	
Bar cutter	day	0, 05					120	0	6	
Bar bender	day	0.05					120	0	6	
Sub Total									714	
							Total		714	39
		*.			-		Unit Price	per No.	119.00	6. 45
INDIRECT COST								15%	17.85	0.97
TOTAL									137	7.41

'4B030105

FC: YEN

Corner Angle for Manhole

LC: US\$

	Corner Angle for Manho	le			*		TC - 024			10001 0000	
No	Work Item	7	Quantity			Basi	c Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC -	FC ·	LC
1	Material							#			
	Coner angle	kg	42. 50	0	0, 36					0	15
•	Wasted corner angle(2%)	kg	0.85	0	0.36				•	0	0
٠	Miscellaneous	L. S.	1	· . 0	0.31					. 0	C
	Fuel Truck 8t	day	0.05	0	80					0	4
	" Generator 45KVA	day	0.05	0	24				1	9	
	Sub Total						·			0	2:
2	Labor					1			·		
	Foreman	man. day	0.05			0	38. 20			0	:
	Labor	man. day	0.05			0	14. 30			0	
	Welder	man. day	0, 05			0	23.09			0	
4	Truck 8t	man. day	0.05			- 0	33			0	
	Generator 45KVA	man. day	0.05			0	. 33			0	
	Sub Total									0	
	Equipment								ĺ		
	Truck 8t	day	0.05					3, 480	0	174	
	Generator 45KVA	day	0.05					1,080	0	54	
	Welder 300A	day	0.05					120		6	<u> </u> }
	Other equipment	L. S.	1		}			5] (5	
	Sub Total		'	İ		· ·				239	
	1	ı		1		<u> </u>	. //*******************************	Total		239	2
								Unit Price	per No.	39.78	4.7
	INDIRECT COST								159	5.97	0. 7
-	TOTAL				. 	-,	-			46	5.4

LA UNION PORT DEVELOPMENT PROJECT

4B030106

FC: YEN

Concrete Placing

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
1				Mat	erial	L	abor	Equip	ment	Am	ount
				FÇ	LC	FC	LC	FC	LC	FC ⁻	LC
1	Material										
	Cover for manhole	Nos	6.00	. 0	101.33				l	0	608
	Ready mixed concrete	m3 ·	1.45	. 0	70.00					0	. 102
	Wasted concrete(5%)	п3	0.07	0	70.00					0	5
	Formwork	m2	7. 60	0	5. 50	•			,	0	42
1	Fuel Truck crane 16t	day	0. 05	0	77					. 0	4]
'	" Concrete mixer 0.6m3	day	0. 05	. 0	. 0					0	0
1	" Generator 45KVA	day	0.05	0	24					0	. 1
	" Truck 8t	đay	0.05	0	80					0	4
	Sub Total								4.	0	765
. 2	Labor		:								1
	Foreman	man. day	0.05			. 0	38.20			0	. 2
1	Labor	man. day	0.05			. 0	14. 30	1		0	1
	Truck crane 16t	man. day	0.05	•		0	33			. 0	2
	Concrete mixer 0.6m3	man. day	0.05			0	33			0	2
1	Generator 45KVA	man, day	0.05			.0	33			0	2
	Truck 8t	man, day	0.05		. i	. 0	33			. 0	2
	Sub Total		1 1	•						0	9
3	Equipment										
	Truck crane 16t	day	0.05		•			9, 480	0	474	0
	Concrete mixer 0.6m3	day	0. 05				- 2	6, 480	0	324	0
1	Generator 45KVA	day	. 0.05			1.0		1,080	0	54	
	Truck 8t	day	0.05					3, 480	0	174	0
1 .	Vibrator	day	0.05	1				120	0	6	. 0
L	Sub Total									1, 032	0
								Total		1, 032	. 775
		7.7	·					Unit Price p		172. 00	129. 10
	INDIRECT COST	·							15%	25. 80	19.36
· L :	TOTAL									198	148. 46

4B030107

FC: YEN

Rackfill sand & Compaction

LC: US\$

	Backfill sand & Compacti	.on					<u></u>	024			TOTAL COTALLA	
No	Work Item	Unit	Quantity			Ва	asic	Price			Unit	Cost
		1		Mate	rial	-	Labor		Equip	ment	Amo	unt
				FC	LC	FC		LC	FC	. TC	FC	LC
1	Material											
•	Backfill sand	m3	0.7	0	4.00			1			0	3
	Wasted Backfill sand (25%)	m3	0. 175	0	4.00						. 0	1
,	Fuel Backhoe 0.8m3	day	0.05	. 0	95	ety.					0	. 5
	" Tire roller 8-20t	day	0.05	0	55						. 0	3
	" Tampa 60kg	day	0.05	. 0	2						0	0
٠.	Sub Total										0	11
2	Labor					j			·			
	Foreman	man, day	0.05				0	38. 20			0	2
	Labor	man. day	0.05			ļ.	0	14. 30			. 0	1
٠.,	Backhoe 0.8m3	man. day	0.05	·		0		33			0	. 2
	Tire roller 8-20t	man. day	0.05		ł	0		33			0	2
	Sub Total										0	6
3	Equipment											
	Backhoe 0.8m3	day	0.05						11, 280	0	. 564	
	Tire roller 8-20t	day	0.05			<u> </u>			- 3, 360	0	168	
	Tampa 60kg	day	0.05						212	0	11	·
	Sub Total	,					<u> </u>		<u> </u>	<u> </u>	743	
									Total	*.	743	17
									Unit Price		123.77	2. 84
	INDIRECT COST									15%		0, 43
	TOTAL										142	3, 26

'LA UNION PORT DEVELOPMENT PROJECT

4B0301

FC: YEN

LC: US\$

Truck crane 16t per day

No	Work Item	Unit	Quantity		•	Ва	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Am	ount
				FC	LC	FC	LC	FC	- LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	232. 00	0.	0.33	i .				0	77
	Others	L. S.	1	0	0.00					0	0
	Sub Total	ĺ								0	77
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	1			0	0. 00			0	0
	Sub Total				. :					0	33
		.									
3	Equipment						•	.*			
1	Truck with crane 8t	day	1					9480	. 0	9, 480	0
!	Sub Total									9, 480	0
,											-
	Total									9, 480	110

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

.4B0301

FC: YEN

Truck 8t per day

LC: US\$

truck at per day									1	
Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
				rial	La	abor	Equip	nent	Amo	unt
11			FC	LC	FC	LC	FC	LC	FC	LC ·
Material										
Fuel & Lubricant	lr.	233.00	0	0.33					0	77
Others	L.S.	1	0	3.00					0	3
1	•								0	80
		·			28.11					
Labor			·		,		·			
Operator	man. day	1			. 0	33.00		•	0	33
	L.S.	1			0	0.00			0	0
									. 0	33
Equipment										
, ·	day	1					3480	(3, 480	
i									3, 480	
					, ,			•		ł
Total							·		3, 480	113
	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others Sub Total Equipment Truck 8t Sub Total	Work Item Unit Material Fuel & Lubricant Ir. Others L.S. Sub Total Labor Operator man. day Others L.S. Sub Total Equipment Truck 8t Sub Total	Work Item Unit Quantity Material Fuel & Lubricant Ir. 233.00 Others L.S. 1 Sub Total Labor Operator man. day 1 Others L.S. 1 Sub Total Equipment Truck 8t day 1 Sub Total	Work Item	Work Item	Work Item	Work Item	Work Item	Work Item	Work Item

Fuel & Lubricant: 253ps x 0.11 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

4B0301

FC: YEN

LC: US\$

Dump truck 10t per day

No	Work Item	Unit	Quantity	·		Ba	sic Price			Unit	Cost
				Mate	erial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33					. 0	102
	Others	L. S.	1	0	3.00					0	3
	Sub Total									0	105
2	Labor										
	Operator	man, day	1			0	33.00			. 0	33
	Others	L. S.	1	•		0	0.00		1	0	0
	Sub Total	-		•						0	33
3	Equipment			•							
	Dump truck 10t	day	1					- 6720	0	6, 720	0
	Sub Total									6, 720	. 0
	Total									6, 720	138
		.	/	•							

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0301

FC: YEN

LC: US\$

Generator 45KVA per day

No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
		1			rial	L:	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
.1	Material										-
	Fuel & Lubricant	lr.	72. 00	0	0.33					0	. 24
١.	Others	L. S.	1	. 0	0.00					O	0
-	Sub Total	1]							0	24
		1			•						
,	Labor										
1	Operator	man. day	1			0	33.00			0	33
1	Others	L.S.	1			0	0.00			0	0
1	Sub Total									0	33
	Sub local		ļ					1			
1.				:							
1	Equipment	1.			ļ		ļ	1080	0	1,080	0
1	Generator 45KVA	day	1				İ	1000	ľ	1, 080	i 0
	Sub Total			ļ.		ļ				1,000	Ů
										1 000	57
	Total									1,080	51
								L			

Fuel & Lubricant: 57ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0301

FC: YEN

LC: US\$

Backhoe 0.8 m3 per day

No	Work Item	Unit	Quantity			В	asic Price	1 1 1		Unit	Cost
				Mate	rial		Labor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	. LC	FC	LC
1	Material				÷				1.		
	Fuel & Lubricant	lr.	283.00	0	0. 33					. 0	93
	Others	L. S.	. 1	0	2. 00					i- o	. 2
ì	Sub Total									0	95
2	Labor										
	Operator	man, day	1			·	0 33.00				33
	Others	L.S.	1			•	0.00			0	. 0
	Sub Total	ĺ								0	33
		1	· .	·							
3	Equipment										
1	Backhoe 0.8m3	day	1					11280	. 0	11, 280	. 0
	Sub Total									11, 280	. 0
	Total							1.		11, 280	128
1							} .				

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0301

FC: YEN

LC: US\$

Tire roller 8-20t per day

	lire roller o-zut per	uay					B0 - 44				
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
			1	Mate	rial	L	abor	Equip	ment	Amo	unt
		1		FC	LC	FC	LC ·	FC	LC	FC	- LC
	Material Fuel & Lubricant Others Sub Total Labor Operator	lr. L.S.	161.00	0	0. 33	į !	33. 00 0. 00	1		0 0 0	5: 5: 3:
•	Others Sub Total Equipment Tire roller 8-20t Sub Total	L. S. day	1					3360	0	3, 360 3, 360	3
	Total			·						3, 360	

Fuel & Lubricant: 96ps x 0.2 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT
4B0301

Tampa 60-100kg per day

FC: YEN

LC: US\$

	rampa oo rooka por ac										
No	Work Item	Unit	Quantity			Ba	sic Price			· Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount .
				- FC	LC	FC	LC	FC	- LC	FC	LC .
1	Material										
	Fuel & Lubricant	lr.	5.00	. 0	0. 33					0	2
	Others	L. S.	1	. 0	0.00					0	0
	Sub Total			,					·	0	2
•											
2	Labor									,	
	Operator	man. day	. 1			o	33.00			0	33
	Others	L.S.	· 1			. 0	0.00			0	. 0
	Sub Total									0	33
3	Equipment										
. 1	Tampa	day	1					212. 4	0	212. 40	
•]	Sub Total				7					212. 40	(
								1. 1			
	Total									212. 40	35

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

4B0301

Concrete Mixer 0.6m3 per day

FC: YEN

LC: US\$

	Concrete Mixer U. bm3 p	er day	,				20. 000				
No	Work Item	Unit	Quantity			Ba:	sic Price			Unit	Cost
		* * *	. [Mate	erial	L	abor	Equip	nent	Amo	unt
				FC	LC	FC	LC	FC ··	LC	· FC	LC
i	Material										
	Fuel & Lubricant	lr.	. 0		0.33					0	(
	Others	L. S.	1		0.00		4		,	0	(
	Sub Total		 							0	•
				•	- V				:		
2	Labor									,	
	Operator	man. day	1			0	33.00			0	3
	Others	L. S.	1			. 0	0.00			0	
	Sub Total							·		0	3
										·	
3	Equipment										
	Concrete Mixer 0.6m3	day	1		,			6480	.0	6, 480. 00	
	Sub Total						·			6, 480. 00	
٠											
	 Total									6, 480. 00	3

4B0302

FC: YEN

PIT AND MANHOLES TYPE 4

LC: US\$

No	Work Item	Unit	Quantity		Basic	Price	Unit Co	st	
							Amoun	unt	
					FC	LC	FC	LC	
4B030201	Excavation & Disposal	Nos.	5		414.00	7. 66	2, 070	38. 31	
48030202	Crushed Stone for Foundation	Nos.	5		264. 33	5. 33	1,322	26. 64	
4B030203	Lean Concrete	Nos.	. 5		88.32	6. 23	442	31. 13	
4B030204	Reinforcement	Nos.	5		328. 44	20.98	1,642	104.90	
4B030205	Corner Angle	Nos.	5	· .	112. 61	13. 27	563	66. 37	
4B030206	Concrete Placing	Nos.	5	İ	477.48	116.66	2, 387	583. 32	
48030207	Backfill Sand & Compaction	Nos.	5		341.61	10. 20	1,708	51.01	
4	Total]					10, 134	901. 69	
				Unit P	rice per No.		2, 027	180. 34	

4B030201

FC: YEN

Excavation & Disposal for Manhole

LC: US\$

No	Work Item	Unit	Quantity	. :		Ba	sic Price			Unit	Cost
		1		Mate	rial	L	abor	Equip	ment	Amor	ınt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material								•		
	Excavation sand	m3	6. 2	0	0.00				·	0	0
	Fuel Backhoe 0.8m3	day	0.1	.0	95					0	10
	" Dump truck 10t	day	0.1	. 0	105					0	10
	Sub Total			·						0	20
2	Labor						·				
	Foreman	man. day	0.1			0	38. 20			0	4
	Labor	man. day	0.2			. 0	14. 30			0	3
	Backhoe 0.8m3	man. day	0.1			. 0	33			. 0	3
	Dump truck 10t	man. day	0.1			. 0	33			0	3
	Sub Total			٠		İ				0	13
3	Equipment										
	Backhoe 0.8m3	day	0.1					11, 280	0	1, 128	
	Dump truck 10t	day	0.1]	ļ	6, 720	0	672	
	Sub Total									1,800	
						-	4 · ·	Total		1,800	33
		•						Unit Price p	er No.	360.00	6. 66
	INDIRECT COST								15%	54.00	1.00
	TOTAL									414	7. 6 6

4B030202

FC: YEN

· Crushed stone for Foundation of Manhole

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price		·	Unit	Cost
	1			Mat	erial	L	abor	Equip	ment	Amo	unt
				FC ·	LC	FC	LC	FC	LC	FC	LC
	l Material										
	Crushed stone	m3	0.54	0	5. 16					. 0	2. 79
	Wasted crushed stone (25%)	m3	0.14	0	5. 16					. 0	0.70
	Fuel Backhoe 0.8m3	day	0.1	0	95			4		. 0	9.54
	" Tampa 60kg	day	0.1	0	2					0	0.17
	Sub Total									. 0	13. 19
] :	2 Labor						·				
	Foreman	man. day	0.1			0.	38. 20	,*		0	3. 82
	Labor	man. day	0.2			0	14. 30	· ·		0	2.86
	Backhoe 0.8m3	man. day	0.1			. 0	33			. 0	3, 30
	Sub Total	. ''						1.		0	9.98
,	3 Equipment				•						
	Backhoe 0.8m3	day	0.1					11, 280	0	1, 128. 00	(
	Tampa 60kg	day	0.1					212.40	0	21. 24	(
	Sub Total				* * * * * .					1, 149	(
								Total		1,149	23
-								Unit Price p	er No.	229.85	4.63
:	INDIRECT COST				*				15%	34. 48	0. 70
<u> </u>	TOTAL									264	5. 33

4B030203

FC: YEN

Lean Concrete

LC: US\$

No	Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
٠				Mat	erial	L	abor	Equipm	ment	Amot	ınt
٠.				FC	LC	FC	LC	FC	LC	FC	LC
1	Material							:			
	Ready mixed concrete	m3	0. 27	0	65. 00					. 0	18
	Wasted concrete(1.5%)	m3	0.00	0	65.00					0	0
٠	Fuel Concrete mixer 0.6m3	day	0.05	0	. 0		•		•	. 0	. ' 0
	" Generator 45KVA	day	0.05	0	24					0	1
	Sub Total			, i						0	. 19
2	Labor								•		
	Foreman	man. day	0.05			. 0	38. 20			. 0	. 2
	Labor	man. day	0.2			0	14. 30			. 0	3
	Concrete mixer 0.6m3	day	0.05			. 0	33			0	. 2
	Generator 45KVA	day	0.05			0	33			0	2
	Sub Total									0	. 8
3	B Equipment		'				4				
	Concrete mixer 0.6m3	day	0.05					6, 480	0	324	0
	Generator 45KVA	day	0.05					1,080	0	54	0
	Vibrator	day	0.05				;	120	. 0	6	0
	Sub Total									384	0
								Total	· .	384	27
•								Unit Price p	er No.	76.80	5. 41
	INDIRECT COST								15%		0.81
	TOTAL									88	6. 23

LA UNION PORT DEVELOPMENT PROJECT

4B030204

FC: YEN

Reignforcement

LC: US\$

No	Work Item	Unit	Quantity			Bas:	ic Price			Unit	Cost
		1 .		Mat	erial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC ·	FC	LC
1	Material										
	Reinforcement bar	kg	111.00	0	0. 36					0	40
	Wasted steel bar(1.5%)	kg	1. 67	. 0	0.36	;				0	1
	Fuel Truck crane 16t	day	0.1	0	77					0,	. 8
1	" Truck 8t	day	0.1	0	80					0	. 8
ļ	" Generator 45KVA	day	. 0	0	24	·				0	2
	Sub Total						•			0	59
2	Labor										
1	Foreman	man. day	0.1			0	38.20			0	4
1	Labor	man. day	1			0	14.30			0	14
1	Welder	man. day	0.2			0	23.09		·	0	5
1	Truck crane 16t	man. day	0, 1			0	33			0	3
1	Truck 8t	man. day	0.1			. 0	33			. 0	. 3
	Generator 45KVA	man. day	0.1		:	0	. 33		İ	0	3
	Sub Total		[0	. 33
3	Equipment									·	,
	Truck crane 16t	day	0.1		,			9, 480	0	948	(
	Truck 8t	day	0.1					3, 480	. 0	348	. (
	Generator 45KVA	day	0.1					1,080	0	108	(
	Bar cutter	day	0.1		·			120	. 0	12	(
	Bar bender	day	0. 1					120	0	12	(
	Sub Total									1, 428	(
								Total		1, 428	91
								Unit Price	per No.	285, 60	18. 24
	INDIRECT COST							<u> </u>	15%	42.84	2.74
	TOTAL									328	20.98

48030205

FC: YEN

*Corner Angle for Manhole

LC: US\$

	Corner Angle for Manho	1e					PC - 024	· · · · · · · · · · · · · · · · · · ·		TOTAL COCIMA	
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
:			1	Mat	erial	L	abor	Equipmen	t	Amo	
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Coner angle	kg	71.00	. 0	0.36					. 0	26
	Wasted corner angle(2%)	kg	1.42	0	0.36					0	1
	Miscellaneous	L.S.	1	0	0.52					0	1
	Fuel Truck 8t	day	0.1	. 0	80					. 0	. 8
	" Generator 45KVA	day	0.1	0	24] :				0	2
	Sub Total									0	37
2	Labor										
	Foreman	man. day	0.1	1		0	38. 20			. 0	4
	Labor	man. day	0.4			0	14. 30			. 0	. 6
	Welder	man. day	0.2			0	23. 09			. 0	5
	Truck 8t	man. day	0.1			0	33			0	. 3
	Generator 45KVA	man. day	0.1			0	33		1	0	3
	Sub Total									0	21
3	Equipment	1									•
	Truck 8t	day	0.1					3, 480	0	348	
	Generator 45KVA	day	0.1					1,080	0	108	
	Welder 300A	day	0.2					120	0	24	
	Other equipment	L.S.	. 1					10	. 0	10	
	Sub Total									490	
						•		Total		490	58
	·							Unit Price per	No.	97. 92	11. 54
	INDIRECT COST			·					15%	14. 69	1. 73
	TOTAL		•	***						113	13. 27

4B030206

FC: YEN

Concrete Placing

LC: US\$

No	Work Item	Unit	Quantit	y			-	B:	asi	c Price			Un	it Cost
					Ma	terial			La	abor	Equip	ment	A	mount
	·			F	C		LC	FC	7	LC	FC	ĻC	FC	LC
ŀ	Material													
	Cover for manhole	Nos	5.0	0	C		45. 03		Ì					0 225
	Ready mixed concrete	m3	1.4	5	0		70.00		ł					0 102
	Wasted concrete (5%)	m3	0.0	7	C		70.00		-					0 5
	Formwork	m2	24.5	0	0		5. 50		-					0 135
	Fuel Truck crane 16t	day	0.	I	. 0	1	77						-	0 8
	" Concrete mixer 0.6m3	day	0.	1	. 0	į	0	1	ĺ					0
	" Generator 45KVA	day		0	0		24					·		0 2
	" Truck 8t	day	0.	1	0		80		- 1					0 8
	Sub Total		<u> </u>						1					0 484
2	Labor								ı					
	Foreman	man. day	0.	1					0	38. 20			() 4
	Labor	man. day	0.	4			•		0	14. 30		·	(6
	Truck crane 16t	man. day	0.	1		1			٥	33				3
	Concrete mixer 0.6m3	man, day	О.	1		1		. 1	١٥	33			. (3
	Generator 45KVA	man. day	0.	1					٥	33			(3
	Truck 8t	man. day	0.	1		l		. 1	۱٥	33				3
	Sub Total					-								23
3	Equipment								ł		·			
	Truck crane 16t	day	0.	1				1.	ı		9, 480	. 0	94	18 C
	Concrete mixer 0.6m3	day`	0.	1							6, 480	0	648	C C
	Generator 45KVA	day	0.	1					ł		1,080	. 0	108	3 C
	Truck 8t	day	0.	1							3, 480	0	348	3 0
	Vibrator	day	0.:	2					.		120		0 24	i c
	Sub Total		İ									<u> </u>	2, 076	5 0
											Total		2, 076	507
			:			· .				1	Unit Price p	er No.	415. 20	101. 45
	INDIRECT COST											15%	62. 28	15. 22
	TOTAL												477	116.66

4B030207

FC: YEN

Backfill sand & Compaction

LC: US\$

Backfill sand & Compact	ion					たた・ ハマゆ			10002 0001	
lo Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
			Mate	rial	L:	abor	Equipa	ment	Amo	unt
			FC	LC	FC	LC	FC	LC	FC	LC
l Material										
Backfill sand	m3 .	2. 6	0	4.00					0	10
Wasted Backfill sand (25%)	m3	0. 65	. 0	4. 00					0	. 3
Fuel Backhoe 0.8m3	day	0.1	0	95					0	10
" Tire roller 8-20t	day	0.1	0	5.5	•				0	6
" Tampa 60kg	day	0.1	0	2					이	. 0
Sub Total	1								· 0	28
2 Labor								. •		
Foreman	man. day	0.1	.'		0	38. 20			0	4
Labor	man. day	0.4	*. *		0	14.30			0	6
Backhoe 0.8m3	man. day	0.1			0	33		•	0	3
Tire roller 8-20t	man. day	0.1			0	33			٥	3
Sub Total									0	16
3 Equipment				ļ		<u> </u>				
Backhoe 0.8m3	day	0.1					11, 280	0	1,128	
Tire roller 8-20t	day	0.1					3,360	0	336	
Tampa 60kg	day	0. 1					212	0	21	
Sub Total									1, 485	
•	 	***************************************					Total		1,485	44
							Unit Price	oer No.	297.05	8, 87
INDIRECT COST								15%	44. 56	1. 33
- TOTAL								4.4	342	10.20

APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

Truck crane 16t per day

LC: US\$

No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
]	Matex	rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	232. 00	0	0. 33					0	77
	Others	L.S.	1	0	0.00					0	0
	Sub Total	-				•				0	77
]								
. 2	Labor							·			
	Operator	man. day	1			0	33.00	'		. 0	33
	Others	L.S.	1			0	0.00			0	0
	Sub Total	1			:					0	33
				1							
3	Equipment	1								:	
	Truck with crane 8t	day	1	j				9480	0	9, 480	0
	Sub Total			Ì						9, 480	o
	Total					•,				9, 480	110
				.							·

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT 4B0302

FC: YEN

LC: US\$

	Truck 8t per day	•					LC: US\$				
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
		1		Mate	rial	L	abor	Equip	ment	Amot	int
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	233.00	. 0	0.33					0	77
1	Others	L. S.	1	. 0	3.00					0	3
	Sub Total								4	0	80
2	Labor]								
•	 Operator	man. day	1	٠.		0	33.00			0	33
	Others	L. S.	1	·		0	0.00			0	0
	Sub Total			·		ļ				0	33
		}									
	Equipment				·						
`	Truck 8t	day	1					3480	. (3,480	O
1.	Sub Total					•				3, 480	
	1000 10191										
	m 1									3, 480	113
	Total		1		ļ						
ı	•	1	l i	i	l	l .		1	11		

Fuel & Lubricant: 253ps x 0.11 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

Dump truck 10t per day

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	ГС	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33	**				0	102
	Others	L.S.	1	0	3. 00					0	3
	Sub Total	İ								. 0	105
						,					
2	Labor								,	·	
	Operator	man. day	1	· .		0	33. 00			. 0	33
	Others	L. S.	1			. 0	0.00			0	0
	Sub Total					1			•	. 0	33
		1									
3	Equipment				:	•					:
	Dump truck 10t	day	1					6720	0	6, 720	0
,	Sub Total		}			•			4, 4	6, 720	0
•								. 1			
. !	Total									6, 720	138
. !						<i>:</i>					

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

LC: US\$

Generator 45KVA per day

No	• Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
110				Mate	rial		abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	·· LC	FC	LC
. 1	Material										
	Fuel & Lubricant	lr.	72.00	0	0. 33					0	24
	Others	L.S.	1	0	0.00					0	0
	Sub Total									0	24
								·			•
2	Labor										
	Operator	man. day	1			0	33.00			. 0	33
	Others	L. S.	1			0	0.00			0	0
	Sub Total	1					;* · · !			0	33
		ļ	1				·	·			
3	Equipment										
	Generator 45KVA	day	1					1080	0	1,080	
	Sub Total			1						1,080	
•								•			
. •	Total									1,080	57
			4								

Fuel & Lubricant: 57ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN.

LC: US\$

Backhoe 0.8 m3 per day

Basic Price Unit Cost Work Item. Unit Quantity No Labor Equipment Material Amount LC FC LC. LC FC LC FC FC 1 Material 0.33 93 Fuel & Lubricant lr. 283.00 L. S. 2.00 Others 95 Sub Total 2 Labor 33.00 man. day Operator L. S. 0.00 Others 33 Sub Total 3 Equipment 11280 11,280 Backhoe 0.8m3 day 11,280 Sub Total 11, 280 128 Total

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

LC: US\$

Tire roller 8-20t per day

No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
٠.				Mate	rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material	1	161.00		0. 33				·	0	53
	Fuel & Lubricant Others	lr. L.S.	101.00	0	2.00					0	2
	Sub Total									0	55
Į	Labor					٥	33.00	. *		0	33
	Operator Others	man. day L.S.	1			0	0.00			0	0
	Sub Total									. 0	33
	Equipment							3360	0	3, 360	
	Tire roller 8-20t Sub Total	day	1 1 2 2							3, 360	. (
	Total									3, 360	88
					<u> </u>		<u> </u>		<u> </u>	<u> </u>	

Fuel & Lubricant: 96ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

Tampa 60-100kg per day

LC: US\$

No	. Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
			<u> </u>	FC	LC	FC	LC	FC	LC	FC	LC
1	Material				-						
	Fuel & Lubricant	lr.	5.00	0	0. 33					0	2
	Others	L. S.	1	. 0	0.00					· o	0
	Sub Total									0	2
ż	Labor				-					·	
	Operator	man. day	1			0	33.00			. 0	33
	Others	L.S.	1			0	0.00			0	0
	Sub Total								-	. 0	. 33
											·
3	Equipment									·	
	Tampa	day	1					212. 4	. 0	212. 40	. 0
	Sub Total		ĺ							212. 40	0
	Total									212. 40	35
•											

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0302

FC: YEN

LC: US\$

Concrete Mixer 0.6m3 per day

	Concrete Mixer o. omb	her day									
Nо	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	unt
•				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	0	, 0	0. 33					0	0
	Others	L. S.	1	. 0	0.00					. 0	0
	Sub Total	}			٠.					0	0
2	Labor										
_	Operator	man. day	1		٠	0	33.00			0	33
	Others	L. S.				0	0.00	·		0	0
	Sub Total					·				0	33
:		1									
q	Equipment										
•	Concrete Mixer 0.6m3	day	1					6480	0	6, 480. 00	
	Sub Total	,								6, 480. 00	
						İ					
•	Total		ļ							6, 480. 00	33

PIT MANHOLES TYPE 5A

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity	Basic	Price	Unit	Cost
						Amou	int '' "
			11 1 1 1 1 1	FC	LC	FC	LC
4B030301	Excavation & Disposal	Nos.	19	312.90	5. 24	5, 945	99. 57
4B030302	Crushed Stone for Foundation	Nos.	19	34. 78	1.62	661	30.82
4B030303	Lean Concrete	Nos.	19	23. 24	5.90	442	112.12
4B030304	Reinforcement	Nos.	19	2, 592. 95	141.16	49, 266	2, 682. 04
4B030305	Corner Angle	Nos.	19	722. 32	48.95	13, 724	930.05
4B030306	Concrete Placing	Nos.	19	624. 63	329. 30	11,868	6, 256. 64
4B030307	Backfill Sand & Compaction	Nos.	19	89. 90	7.90	1,708	150.07
	Total					83, 614	10, 261. 32
			* *	Unit Price per No.		4, 401	540.07

- 4B030301

FC: YEN

Excavation & Disposal for Manhole

LC: US\$

Йо	Work Item	Unit	Quantity	: +		Ва	sic Price			Unit	Cost
				Mate	rial	Ĺ	abor	Equip	ment	Amo	unt
				FC	LC	FC	· LC	FC	LC	FC	LC
1	Material										
	Excavation sand	m3	53	0	0.00					0	. 0
	Fuel Backhoe 0.8m3	day	0. 22	0	95		*			0	21
	" Dump truck 10t	day	0.40	0	105		* " *			0	42
	Sub Total			2						0	63
2	Labor		i								
	Foreman	man. day		* .		0	38. 20		•	0	. 0
	Labor	man. day	0. 22			- 0	14.30			0	3
	Backhoe 0.8m3	man. day	0. 22			0	33			0	7
	Dump truck 10t	man. day	0.40			0	33			0	13
	Sub Total									0	24
3	Equipment					٠.					
	Backhoe 0.8m3	day	0. 22					11, 280	0	2, 482	. 0
	Dump truck 10t	day	0.40				,	6, 720	0	2, 688	0
* ,	Sub Total									5, 170	0
· · · · · · · · · · · · · · · · · · ·		<u> </u>						Total	•	5, 170	87
		*	٠.					Unit Price p	per No.	272.08	4. 56
	INDIRECT COST								15%	40.81	0. 68
	TOTAL	e.						· · · · · · · · · · · · · · · · · · ·		313	5. 24

4B030302

FC: YEN

Crushed stone for Foundation of Manhole

LC: US\$

	Crushed Stone for round					. D	ic Price			Unit	Cost
No .	Work Item	Unit	Quantity								
			j [Mat	terial	L	abor	Equip	,		unt
				FC	LC	FC	LC	FC	LC	FC	LC
l	Material										
	Crushed stone	т3	2.74	0	5. 16					0	14. 14
	Wasted crushed stone (25%)	m3	0.69	. 0	5. 16					0	3. 53
	Fuel Backhoe 0.8m3	day	0.05	0	95			u [*]		0	4.77
:	" Tampa 60kg	day	0.05	. 0	2					0	0.08
	Sub Total			-					:	0	22. 53
. 2	Labor		ļ. l							·	
	Foreman	man. day	0.05			. 0	38. 20			. 0	1.91
,	Labor	man. day	0.05			0	14. 30			0	0.72
	Backhoe 0.8m3	man. day	0.05			0	33	*		0	1. 65
*:	Sub Total							·		0	4. 28
	Equipment								·		
	1	day	0.05					11, 280	0	564.00	
		day	0.05	*		·		212. 40	0	10.62	
,	Sub Total									575	ı
	John Total		1			<u></u>		Total		575	27
								Unit Price ;	er No.	30. 24	1.41
,	INDIRECT COST								15%	4.54	0. 21
	TOTAL									35	1.62

4B030303

FC: YEN

LC: US\$

	Lean Concrete		***				LC: US\$			Total estimat	e for lawos
No	Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
				Mat	terial	L	abor	Equip	nent	Amou	int
				FC	LC	FC -	- LC	FC	LC	FC	LC
1	Material										
	Ready mixed concrete	m3	1.37	0	65.00					0	89
	Wasted concrete(1.5%)	m3	0.02	0	65. 00				* * *.	0	. 1
	Fuel Concrete mixer 0.6m3	day	0.05	. 0	0				·	, 0	0
	" Generator 45KVA	day	0.05	0	24					0	I
	Sub Total		-		,					0	92
2	Labor								·		
	Foreman	man. day	0.05			0	38.20			0	2
	Labor	man. day	0.05			0	14. 30			0	1
	Concrete mixer 0.6m3	day	0.05			, o	33	·		0	2
	Generator 45KVA	day	0.05			0	33			0	2
	Sub Total		}							0	6
3	Equipment							,			
	Concrete mixer 0.6m3	day	0.05					6, 480	. 0	324	0
•	Generator 45KVA	day	0.05					1,080	. 0	54	. 0
	Vibrator	day	0.05					120	. 0	6	0
-	Sub Total									384	0
								Total	. ,	384	97
						<u> </u>		Unit Price p	er No.	20. 21	5. 13
	INDIRECT COST								15%	3. 03	0.77
	TOTAL									23	5. 90

4B030304

FC: YEN

Reignforcement

LC: US\$

No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Reinforcement bar	kg	2413.00	0	0. 36	·				0	869
	Wasted steel bar(1.5%)	kg :	36. 20	0	0. 36					. 0	13
	Fuel Truck crane 16t	day	3	0	77					0	. 230
	" Truck 8t	day	3	. 0	. 80			l .		0	240
	" Generator 45KVA	day	3.00	. 0	24					0	71
	Sub Total									0	1, 422
2	Labor						•				
	Foreman	man. day	3			. 0	38. 20			. 0	115
•	Labor	man. day	30			o	14. 30			0	429
·	Welder	man. day	3			0	23. 09			0	69
-	Truck crane 16t	man. day	3	·	7	0	33			0	99
-	Truck 8t	man. day	3			0	33			0	99
	Generator 45KVA	man. day	3			0	33			0	99
	Sub Total		 			. 1				0	910
3	Equipment	1				1					
	Truck crane 16t	day	3					9, 480	. 0	28440	
- 1	Truck 8t	day	3			1		3, 480	0	10, 440	
.	Generator 45KVA	day	3			ļ		1, 080	. 0	3, 240	
	Bar cutter	day	3					120	0	360	
j	Bar bender	day	3					120	0	360	÷
	Sub Total									42, 840	•
•								Total		42, 840	2, 332
	·							Unit Price p	er No.	2, 254. 74	122. 75
	INDIRECT COST								15%	338. 21	18. 41
	TOTAL									2, 593	141. 16

4B030305

FC: YEN

No	Work Item	Unit	Quantity				Ва	si	c Pric	e					Uni	Cost
		1		Mat	erial			La	abor			Equip	ment		Ал	ount
				FC		LC	FC		· Lo	0		FC	L	2	FC	LC
1	Material							-								
	Coner angle	kg	· 236.00	0		0.36	* .								+	85
	Wasted corner angle(2%)	kg	4.72	0		0. 36		ļ		٠						
٠.	Miscellaneous	L. S.	1	. 0		1. 73		l							1	
	Fuel Truck 8t	day	2. 5	0		. 80										200
	" Generator 45KVA	day	2. 50	0		24		l						Ì	1	59
	Sub Total	ļ.						İ				-				348
2	Labor	1.						1								
	Foreman	man. day	2.5					0		38. 20	ì				0	96
	Labor	man. day	10			ĺ		0		14. 30	ł				0	143
	Welder	man, day	2. 5			1		0		23. 09					0	. 58
	Truck, 8t	man. day	2. 5				0)		33					0	83
	Generator 45KVA	man. day	2.5			·	O)		33					. 0	83
	Sub Total		1												. 0	. 46
3	Equipment												ļ			
	Truck 8t	day	2.5		1							3, 480		. 0	8, 700	1 '
	Generator 45KVA	day	2.5					ļ				1,080		0	2, 700	
	Welder 300A	day	2. 5									120		0	300	
	Other equipment	L.S.	. 1									234		0	234	
	Sub Total				<u> </u>				<u> </u>						11, 934	
	•										Tota				11,934	
											Unit	t Price p	per No		628. 11	
	INDIRECT COST													15%	94. 22	
	TOTAL														722	48. 9

LA UNION PORT DEVELOPMENT PROJECT

4B030306

FC: YEN

Concrete Placing

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mat	erial:	I	abor	Equip	ment	Ame	ount
				FC	rc.	FC	LC .	FC	LC	FC [*]	LC.
1	Material										
	Cover for manhole	Nos	19.00	0	162. 40					0	3, 086
	Ready mixed concrete	m3	14. 90	. 0	70.00					0	1,043
	Wasted concrete(5%)	m3	0.75	0	70.60					0	. 52
	Formwork	in2	192.00	,0	5. 50	٠.	i .			0	1, 056
	Fuel Truck crane 16t	day	0.5	0	77			· .		0	38
	" Concrete mixer 0.6m3	day	0.5	0	. 0				,	0	. 0
	" Generator 45KVA	day	0.50	0	24					0	12
	" Truck 8t	day	0.5	. 0	80					0.	40
	Sub Total							Ì		. 0	5, 327
2	Labor										
	Foreman	man. day	0.5			0	38, 20			0	19
	Labor	man. day	2			0	14.30			0	29
	Truck crane 16t	man. day	0.5			0	33			0	17
	Concrete mixer 0.6m3	man. day	0.5		. '	0	33			. 0	17
	Generator 45KVA	man. day	0.5			0	33		•	0	17
	Truck 8t	man. day	0.5			0	33	1		0	17
	Sub Total	ļ								0	114
3	Equipment					*		1		·	
	Truck crane 16t	day	0.5					9,480	0	4740	. 0
	Concrete mixer 0.6m3	day	0.5					6, 480	. 0	3, 240	0
	Generator 45KVA	day	0.5					1,080	0	540	. 0
	Truck 8t	day	0.5					3, 480	0	1,740	0
	Vibrator	day	0.5	. '				120	0	· 60	0
	Sub Total									10, 320	0
								Total		10, 320	5, 441
								Unit Price p	er No.	543. 16	286. 35
	INDIRECT COST							***************************************	15%	81. 47	42. 95
	TOTAL									625	329.30

4B030307

FC: YEN

Backfill sand & Compaction

LC: US\$

	Backfill sand & Compacti	Lon	•				FC 029		······································	TOTAL ESTIMAT	
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
				Mate:	rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC -	LC
1	Material							٠.		į	
	Backfill sand	m3	20.4	0	4.00					0	82
	Wasted Backfill sand (25%)	m3	5.1	0	4.00					0	20
	Fuel Backhoe 0.8m3	day	0.1	. 0	95					. 0	10
	" Tire roller 8-20t	day	0. 10	0 .	55					0	6
	" Tampa 60kg	day	0.10	0	2					0	. 0
	Sub Total									. 0	117
2	Labor										•
	Foreman	man. day	0.1			0	38. 20	<i>:</i>		0	4
	Labor	man. day	0.2			0	14. 30			0	3
	Backhoe 0.8m3	man. day	0.1			. 0	33			0	3
İ	Tire roller 8-20t	man. day	0.1			.0	33			0	3
	Sub Total						•			0	13
.3	Equipment				-			ļ			
	Backhoe 0.8m3	day	0.1					11, 280	. 0	1, 128	(
	Tire roller 8-20t	day	0.1					3, 360	. 0	336	. (
	Tampa 60kg	day	0.1					212	0	21	(
	Sub Total							<u> </u>		1, 485	. (
·								Total		1, 485	130
		· .						Unit Price		78.17	6. 87
	INDIRECT COST								15%	11. 73	1.03
	TOTAL									90	7. 90

LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

Truck crane 16t per day

LC: US\$

No	Work Item	Unit	Quantity	- 1		Ba	sic Price			Unit	Cost
] [Mate	erial	L	abor	Equip	ment	Am	ount
				FC	LC	· FC	. rc	FC	LC	FC	LC
1	Material			. *							
	Fuel & Lubricant	lr.	232, 00	0	0. 33					. 0	77
	Others	L.S.	1	0	0.00	,				0	0
	Sub Total									0	. 77
2	Labor									A C C C C C C C C C C C C C C C C C C C	
	Operator	man. day	1			0	33.00		·	0	33
	Others	L. S.	1			0	0.00			0	0
	Sub Total						·			0	33
3	Equipment					·					
	Truck with crane 8t	day	1					9480	. 0	9, 480	. 0
	Sub Total								ŧ	9, 480	0
			ĺ			. •					
	Total	:		•						9, 480	110
									1		<u> </u>

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

Truck 8t per day

LC: US\$

No	Work Item	Unit	Quantity				Ва	si	c Price			Unit	Cost
				Ma	atei	rial	I	Lal	oor	Equip	ment	Amo	unt
				FC		LC	FC		LC	FC	LC	FC	LC
1	Material												
	Fuel & Lubricant	lr.	233.00		0	0. 33				•		0	77
	Others	L.S.	1		0	3.00		1	j			. 0	3
	Sub Total	1										0	. 80
							•	1					
9	Labor					•		1					٠
	Operator	man. day	1	,	ĺ		,		33.00			0	33
	Others	L. S.	. 1	,	l		. 0		0.00		·	. 0	0
	Sub Total			}	•							0	33
	Raufumant												
٥	Equipment							ĺ		3480	٥	3, 480	0
•	Truck 8t	day	1					İ		3400		3, 480	Ĭ
	Sub Total					· -						3, 400	
	ļ.										,		110
	Total											3, 480	113
	1												

Fuel & Lubricant: 253ps x 0.11 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

. Dump truck 10t per day

LC: US\$

No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
] :	Mate	rial	L	abor	Equip	ment	- Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33		·			0	102
_	Others	L.S.	1	0	3. 00					0	3
	Sub Total	ļ.								0	105
							:				
2	Labor]								
	Operator	man. day	. 1		`	0	33. 00			0	33
}	Others	L. S.	1			0	0.00			0	. 0
:	Sub Total									0	33
i							, *				1
3	Equipment										•
	Dump truck 10t	day	1					6720	0	6, 720	0
	Sub Total									6,720	. 0
,											
	Total									6, 720	138
				•				*			

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

LC: US\$

Generator 45KVA per day

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
					rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	rc	FC	LC	FC	LC
1	Material										
. •	Fuel & Lubricant	lr.	72,00	0	0.33					0	24
	Others	L. S.	1	. 0	0.00		·			. 0	0
	Sub Total			-	<u> </u>					0	24
									·		
2	Labor										
	Operator	man. day	. 1			0	33.00			0	33
	Others	L.S.	1			0	. 0.00		·	0	. 0
•	Sub Total									0	: 33
٠.										. *	
3	Equipment					٠.					
	Generator 45KVA	day	1					1080	0	1, 080	0
	Sub Total							,		1,080	0
								•			
	Total			<u> </u>						1, 080	57
		1		,			·				

Fuel & Lubricant: 57ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT 4B0303

Backhoe 0.8 m3 per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
.				Mate	rial	L	abor	Equip	ment	Amo	ount
1.				FC	LC	FC	LC	FC	LC -	FC	LC
-1	Material							,			
.	Fuel & Lubricant	lr.	283. 00	0	0. 33					. 0	93
] .	Others	L.S.	1	0	2.00					0	2
	Sub Total									0	95
2	Labor							. •			
	Operator	man. day	1			. 0	33.00			0	33
	Others	L. S.	1			0	0.00		ļ.	0	. 0
	Sub Total		i.					-		0	33
3	Equipment										
	Backhoe 0.8m3	day	1	•				11280	0	11,280	0
	Sub Total] .	11, 280	0
					· .						-
	Total	·								11, 280	128

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

-4B0303

FC: YEN

Tire roller 8-20t per day

LC: US\$

	lire roller 8-20t per	aay					BC: 004				
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
				Mate	rial	· La	abor	Equipa	nent	Amoı	int
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										٠
	Fuel & Lubricant	lr.	161.00	0	0.33				•	이	53
	Others	L. S.	1	0	2.00					. 0	2
	Sub Total									0	55
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	1			0	0.00			0	0
	Sub Total									0	33
· 3	Equipment										
	Tire roller 8-20t	day	1					3360	0	3,360	
•	Sub Total									3, 360	
	Total						·	·		3,360	88
		1	ì			ĺ				<u> </u>	

Fuel & Lubricant: 96ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

Tampa 60-100kg per day

LC: US\$

No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
		-		Mate	rial	L	abor	Equip	ment	Amo	ount
		<u> </u>		FC	LC	FC	LC	FC	LC	FC	LC
î	Material								11/2		
	Fuel & Lubricant	lr.	5.00	. 0	0. 33					0	2
	Others	L. S.	1	0	0.00	,				0	0
	Sub Total									0	2
ż	Labor										
٠,	Operator	man. day	1		i	o	33. 00	•		0	33
	Others	L. S.	1			0	0.00			0	0
٠,	Sub Total									0	33
					·		·				
3	Equipment										
	Tampa	day	1					212. 4		212.40	0
,	Sub Total									212. 40	. 0
	Total									212. 40	35

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0303

FC: YEN

LC: US\$

Concrete Mixer 0.6m3 per day

	Concrete wixer o.oma p	er day		_			20 024				
No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	unt
		1		FC	LC	FC	LC	FC	LC	FC	LC
1	Material							•			
	Fuel & Lubricant]1r.	. 0	0	0. 33					0	0
	Others	L. S.	1	0	0.00					. 0	0
•	Sub Total]	*	·					. 0	0
2	Labor					,					
	Operator	man. day	1			· о	33.00			0	33
	Others	L. S.	1			0	0.00			0	C
	Sub Total									0	. 33
•		1 .						•			
. 3	Equipment										
	Concrete Mixer 0.6m3	day	1					6480	0	6, 480, 00	
	Sub Total	'						-		6,480.00	
•	040 10041										
-	Total									6, 480.00	33
	10091]								

LA UNION PORT DEVELOPMENT PROJECT

4B0304

PIT AND MANHOLES TYPE 5B

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity	Basic	Price	Unit (Cost
						Amou	nt
				FC	LC	ee e FC	LC
4B030401	Excavation & Disposal	Nos.	19	312.90	5. 24	5, 945	99.57
4B030402	Crushed Stone for Foundation	Nos.	19	34.78	1.62	661	30.82
4B030403	Lean Concrete	Nos.	. 19	23. 24	5. 90	442	112. 12
4B030404	Reinforcement	Nos.	19	2, 592. 95	141.16	49, 266	2, 682. 04
4B030405	Corner Angle	Nos.	19	722. 32	48.95	13, 724	930.05
4B030406	Concrete Placing	Nos.	19	624.63	277.78	11,868	5, 277. 76
4B030407	Backfill Sand & Compaction	Nos.	19	89. 90	7.90	1,708	150. 07
	Total					83, 614	9, 282. 44
				Unit Price per No.		4, 401	488. 55

4B030401

FC: YEN

Excavation & Disposal for Manhole

LC: US\$

	Excavation & Disposal	tor manno.	Le				TC - 020			Total estima	00 101 15 1102
No	Work Item	Unit	Quantity			Ba	sic Price	*		Unit	Cost
				Mate	rial	L	abor	Equip	ment	. Amo	unt
				FC	LC	FC	LC	FC	rc	- FC	LC
I	Material					:					
	Excavation sand	m3	53	. 0	0.00			,		. 0	0
	Fuel Backhoe 0.8m3	day	0. 22	0	. 95					0	21
	Dump truck 10t	day	0.40	0	105					. 0	42
	Sub Total	1								0	63
2	Labor								.		
	Foreman	man. day				0	38. 20			0	0
	Labor	man. day	0. 22			0	14. 30		į	0	3
	Backhoe 0.8m3	man. day	0. 22			0	33			0	7
	Dump truck 10t	man. day	0.40			0	33			0	13
	Sub Total					·				0	24
3	Equipment				ļ .						
	Backhoe 0.8m3	day	0. 22					11,280	0	2, 482	(
	Dump truck 10t	day	0.40				A Section 1	6,720	0	2, 688	. (
,	Sub Total					14				5, 170	. (
			***************************************			,		Total		5, 170	87
								Unit Price p	per No.	272.08	4. 56
	INDIRECT COST								15%	40.81	0. 68
	TOTAL									313	5. 24

4B030402

FC: YEN

Crushed stone for Foundation of Manhole

LC: US\$

	Crushed Stone for Found	14 6 2 4 11 6	, mannore				rc. na			TOTAL ESTIMA	
No	Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
				Ma	terial	·L	abor	Equip	ment	Amo	unt
	• ·	1		FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
•	Crushed stone	m3	2. 74	(5.16					0	14. 14
, •	Wasted crushed stone (25%)	m 3	0.69	(5. 16	ļ				0	3.53
•	Fuel Backhoe 0.8m3	day	0.05	0	95		٠.			0	4.77
	" Tampa 60kg	day	0.05	0	2	;				0	0.08
	Sub Total							٠		. 0	22. 53
Ź	Labor								i '		
	Foreman	man. day	0.05			: 0	38. 20			. 0	1.91
	Labor	man, day	0.05			. 0	14. 30			. 0	0.72
	Backhoe 0.8m3	man. day	0.05			0	33			0	1. 65
	Sub Total				1.					. 0	4. 28
3	Equipment						1 -				
	Backhoe 0.8m3	day	0.05				•	11, 280	0	564.00	
	Tampa 60kg	day	0.05	•				212. 40	0	10.62	
	Sub Total								er e	575	-
								Total		575	27
					· .			Unit Price p	er No.	30. 24	1.41
- -	INDIRECT COST								15%	4. 54	0.21
	TOTAL									35	1.62

Lean Concrete

FC: YEN

LC: US\$

•	Lean Concrete						FC 029 :			total estima	70 101 101,00
No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	int
				FC	LC	FC	LC LC	FC	LC	FC	LC
ŗ	Material										
-	Ready mixed concrete	m3 ·	1.37	0	65.00				·	0	89
1	Wasted concrete(1.5%)	m3 .	0. 02	. 0	65, 00				, 1	0	1
	Fuel Concrete mixer 0.6m3	day	0.05	· · 0	0					0	0
	" Generator 45KVA	day	0.05	0	24					0	1.
	Sub Total		"							0	92
2	Labor										
	Foreman	man. day	0.05		•	0	38. 20	. *		0	2
	Labor	man. day	0.05			0	14. 30			0	I
	Concrete mixer 0.6m3	day	0.05			0	33			0	2
	Generator 45KVA	day	0.05			. 0	33	٠.		. 0	2
	Sub Total				*					. 0	6
3	Equipment						;				
.	Concrete mixer 0.6m3	day	0.05	-				6, 480	0	324	0
	Generator 45KVA	day	0.05	· 			:	1,080	0	54	0
	Vibrator	day	. 0.05					120	0	6	0
	Sub Total									384	0
								Total		384	97
						· ·	· ·	Unit Price p	er No.	20. 21	5. 13
	INDIRECT COST								15%	3. 03	0.77
	.TOTAL									23	5.90

4B030404

FC: YEN

Reignforcement

LC: US\$

No	Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
				Ma	terial	L	abor	Equip	ment	Ата	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Reinforcement bar	kg	2413.00	0	0.36			·		0	869
	Wasted steel bar(1.5%)	kg	36. 20	0	0.36					0	13
ł	Fuel Truck crane 16t	day	3	. 0	77					0	230
1.	" Truck 8t	day	3	. 0	80					0	240
1	" Generator 45KVA	day	3.00	0	24					0	71
	Sub Total	•								. 0	1,422
2	Labor	1.									
	Foreman	man. day	3			0	38. 20			0	115
	Labor	man. day	30			. 0	14. 30			0	429
	Welder	man. day	3			. 0	23. 09			0	69
	Truck crane 16t	man. day	3	•		. 0	33			0	99
	Truck 8t	man.day	3			0	33			0	99
	Generator 45KVA	man. day	3			. 0	33			. 0	99
	Sub Total									. 0	910
3	Equipment								e to the		A .
	Truck crane 16t .	day	3					9, 480	0	28440	0
٠.	Truck 8t	day	3				v -	3, 480	. 0	10, 440	0
1	Generator 45KVA	day	. 3		•			-1,080	0	3, 240	0
	Bar cutter	day	3					120	0	3 6 0	0
1	Bar bender	day	3			•		120	. 0	360	o
	Sub Total								a e filit	42, 840	0
								Total		42, 840	2, 332
								Unit Price p	oer No.	2, 254. 74	122. 75
	INDIRECT COST								15%	338. 21	18. 41
·L	TÒTAL		* -							2, 593	141. 16

LA UNION PORT DEVELOPMENT PROJECT

4B030405

FC: YEN

Corner Angle for Manhole

LC: US\$

NI.	Work Item	T	Quantity				c Price			Unit	Cost
No	WOLK Ifem	, onte	Qualiticy	Mat	erial	L		Equip	nent	Amo	
				FC	LC	FC	LC	FC	LC ·	FC ·	LC
1	Material										
	Coner angle	kg	236.00	0	0. 36					. 0	85
	Wasted corner angle(2%)	kg	4. 72	0	0. 36					0	2
	Miscellaneous	L.S.	1	0	1.73					0	2
	Fuel Truck St	day	2.5	0	80					0	200
	" Generator 45KVA	day	2. 50	0	24					0	59
	Sub Total			•						0	348
2	Labor				•						
	Foreman	man. day	2.5			0	38. 20			0	96
	Labor	man. day	10		•	0	14. 30			0	143
	Welder	man. day	2.5	4		0	23. 09			0	58
	Truck 8t	man, day	2. 5			. 0	33.		}	0	83
	Generator 45KVA	man. day	2.5			0	33			0	83
	Sub Total							-		0	461
. 3	Equipment										
	Truck 8t	day	2. 5			·		3, 480	0	8,700	0
	Generator 45KVA	day	2.5					1,080	. 0	2, 700	C
٠.	Welder 300A	day	2. 5					120	o	300	C
	Other equipment	L. S.	ı		•	·		234	. 0	234	C
	Sub Total		1							11, 934	
_								Total		11, 934	809
								Unit Price p	er No.	628. 11	42. 57
	INDIRECT COST								15%	94. 22	6, 38
	TOTAL		· · · · · · · · · · · · · · · · · · ·							722	48. 95

LA UNION PORT DEVELOPMENT PROJECT

4B030406 Concrete Placing FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
			[Mat	erial	L	abor	Equip	ment	Am	ount
				FC	LC .	FC	LC	FC	LC	FC	rc
I	Material										•
	Cover for manhole	Nos	19.00	0	117. 60					0	2, 234
	Ready mixed concrete	m3	14. 90	0	70.00			<u>'</u>		. 0	1, 043
	Wasted concrete (5%)	m3	0.75	. 0	70.00					0	52
	Formwork	m2	192.00	0	5. 50] .				. 0	1,056
	Fuel Truck crane 16t	day	0.5	0	77					. 0	. 38
	" Concrete mixer 0.6m3	day	0.5	0	0					. 0	0
	" Generator 45KVA	day	0, 50	0	24					0	12
	" Truck 8t	day	0.5	0	80					0	40
	Sub Total									0	4, 476
2	Labor		- 1								
	Foreman	man, day	0.5			: 0	38. 20			0	19
	Labor	man. day	2			0	14.30			0	29
	Truck crane 16t	man. day	0.5			0	33			0	17
	Concrete mixer 0.6m3	man. day	0.5			0	- 33			0	17
	Generator 45KVA	man. day	0.5			. 0	33			0	17
	Truck 8t	man. day	0.5			0	33	, .	٠	0	. 17
	Sub Total									0	114
. 3	Equipment.		}								
	Truck crane 16t	day	0.5			:		9, 480	. 0	4740	, ,
	Concrete mixer 0.6m3	day	0.5					6, 480	0	3, 240	0
	Generator 45KVA	day	0.5				·	1,080	- 0	540	· o
	Truck 8t	day	0.5			:		3, 480	. 0	1, 740	0
	Vibrator	day	0.5	N				120	0	. 60	0
	Sub Total								and the second	10, 320	0
								Total		10, 320	4, 589
					,,			Unit Price p	er No.	543, 16	241. 55
	INDIRECT COST								15%	81.47	36. 23
	TOTAL									625	277.78

4B030407

FC: YEN

LC: US\$

	Backfill sand & Compacti	on ·					LC: US\$			lotal estimat	
Nо	Work Item	Unit	Quantity			Bas	sic Price				Cost
•		<u> </u>		Mate	rial	L	abor	Equip	ment	Amo	unt
				FC	. LC	FC	LC	FC	LC	FC	LC
1	Material										
٠.	Backfill sand	m3	20.4	0	4. 00					0	82
	Wasted Backfill sand (25%)	m3	5. 1	Ō	4.00					0	20
	Fuel Backhoe 0.8m3	day	0.1	0	95					0	10
	" Tire toller 8-20t	day	0.10	0.	55					. 0	6
	Tampa 60kg	day	0.10	0	. 2					0	0
	Sub Total									0	117
. 2	Labor										
	Foreman	man. day	0.1			0	38. 20			0	4
	Labor	man. day	0.2			0	14. 30			0	. 3
	Backhoe 0.8m3	man, day	0.1	·		0	33			0	3
	Tire roller 8-20t	man, day	0.1		ļ	. 0	. 33			0	3
	Sub Total									0	13
3	Equipment										
	Backhoe 0, 8m3	day	0.1					11, 280	. 0	1, 128	
	Tire roller 8-20t	day	0.1					3, 360	0	336	
	Tampa 60kg	day	0.1					212	0	21	· · · · · · · · · · · · · · · · · · ·
	Sub Total								# .	1, 485	
1		1		<u> </u>				Total		1, 485	130
٠			:			•		Unit Price	per No.	78. 17	6.87
·	INDIRECT COST								15%	11. 73	1.03
	TOTAL									90	7.90

LA UNION PORT DEVELOPMENT PROJECT

4B0304

FC: YEN

Truck crane 16t per day

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
i	Material										
	Fuel & Lubricant	lr.	232.00	0	0. 33					. 0	77
	Others	L. S.	1	. 0	0.00					0	0
	Sub Total									. 0	. 77
1											
2	Labor					1		·			
	Operator	man. day	1			0	33.00			0	33
	1	L.S.	1			0	0.00			0	0
1	Sub Total									0	33
	e e e e e e e e e e e e e e e e e e e									-	·
3	Equipment										
1		day	,			·		9480	0	9, 480	. 0
1	Sub Total	1,	_						•	9, 480	0
	10001									3, 100	
	Tetal									9, 480	110
	Total									, 1 00	

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

'APPENDIX-3. EQUIPMENT COST

4B0304

FC: YEN

Truck 8t per day

LC: US\$

	Truck 8t per day						EC. USA				
No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
				Mate	rial	. L	abor	Equipm	nent	Amo	unt
				FC	LC	FC	· · LC	FC	LC	FC	LC
1	Material			-						·	
	Fuel & Lubricant	lr.	233.00	0	0. 33					0	77
	Others	L. S.	1	0	3.00					. 0	3
•	Sub Total					٠.				0	80
2	Labor								,		
	Operator	man. day	1			. 0	3300			0	. 33
	Others	L.S.	1			0	0.00			0	0
	Sub Total									. 0-	33
3	Equipment									-	
٠	Truck 8t	day	1.			·		3480	. 0	3, 480	(
	Sub Total			•					٠	3, 480	(
	Total									3, 480	113

Fuel & Lubricant: 253ps x 0.11 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

4B0304

FC: YEN

Dump truck 10t per day

LC: US\$

No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
	•			FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
Į	Fuel & Lubricant	lr.	309.00	0	0. 33					0	102
	Others	L. S.	1	. 0	3.00					0	. 3
	Sub Total									0	105
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L.S.	1			0	0.00			0	0
	Sub Total									0	33
3	Equipment				, , , , , , ;						
	Dump truck 10t	day	1					6720	. 0	6,720	0
•	Sub Total									6, 720	0
	· · · ·							٠			
	Total									6, 720	138
		.#		,		1.4.4					

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT
4B0304

FC: YEN

LC: US\$

• Generator 45KVA per day

•.	Generator 45kya per d	ау					PO. 000				
No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
		}		Mate	rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
. 1	Material	Ţ.,									
	Fuel & Lubricant	lr.	72.00	. • 0	0.33					0	2
	Others	L. S.	1	0	0.00					.0	
٠	Sub Total									0	. 2
		·									
2	Labor	·									
	Operator	man. day	1			0	. 33.00			0	3
	Others	L.S.	1			0	0.00			0	
•	Sub Total	ļ								0	3
·		1									
. 3	Equipment			,	1						
	Generator 45KVA	day	.1					1080	0	1,080	
	Sub Total	-								1, 080	
	Total						· ·	,		1,080	
							ļ				

Fuel & Lubricant: 57ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST

4B0304

FC: YEN

LC: US\$

Backhoe 0.8 m3 per day

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
1				Mate	rial	L	abor	Equip	ment	Amo	ount
	* · · ·	İ		FC	LC	FC	LC	FC	LC	FC	LC .
*1	Material										
	Fuel & Lubricant	lr.	283.00	0	0.33			_		. ,0	93
·	Others	L. S.	1	0	2.00					0	2
	Sub Total							·		. 0	95
2	Labor										
	Operator	man. day	1			. 0	33.00			0	33
	Others	L. S.	1			0	0.00			0	0
	Sub Total									0	33
3	Equipment							·			
1	Backhoe 0.8m3	day	1					11280	0	11, 280	0
	Sub Total									11, 280	. 0
	Total					-				11, 280	128

[.] Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4B0304

FC: YEN

Tire roller 8-20t per day

LC: US\$

lite roller o-zor per	uay					20. 334				
o Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
			Mate	rial	L	abor	Equip	ment	Amo	unt
			FC	LC	FC	LC	FC	. LC	FC ···	LC
l Material										
Fuel & Lubricant	lr.	161.00	0	0.33					0	
Others	L. S.	1	. 0	2.00					0	
Sub Total									. 0	
2 Labor				•			·			
Operator	man. day				0	33.00			0.	
Others	L.S.				0	0.00			0	
Sub Total									. 0	
					٠					
3 Equipment							:		ļ.	
Tire roller 8-20t	day	1	•				3360	0	3, 360	·
Sub Total			*						3,360	
Total									3, 360	
					* 1			}		

Fuel & Lubricant: 96ps x 0.2 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT

4B0304

FC: YEN

Tampa 60-100kg per day

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
•				FC	LC	· FC	LC	FC	LC	FC	LC
1	Material								٠.		
	Fuel & Lubricant	lr.	5.00	o	0. 33					0	2
	Others	L. S.	1	0	0.00		*			. 0	0
:	Sub Total									0	2
2	Labor										
	Operator	man. day	1			0	33.00			. 0	33
	Others	L.S.	1			0	0.00			0	0
	Sub Total									0	33
				·				· .	·		
	Equipment Tampa	day	1				.e. * *	212.4	0	212. 40	
	Sub Total									212. 40	
•	Total									212. 40	35
	10001								·	212. 40	35

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT

4B0304

Concrete Mixer 0.6m3 per day

FC: YEN

LC: US\$

	Concrete Mixer U. omo p	er day					PC + 020				
No	Work Item	Unit	Quantity			Ba	sic Price	es, se		Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
				FC	LC -	FC	LC	FC	- LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	0	0	0.33	. i.e				0	0
	Others	L. S.] 1	0	0.00	٠.				0	. 0
	Sub Total			. **			i.			0	0
2	Labor								***	·	
	Operator	man. day	1			· 0	33.00			0	33
	Others	L. S.	1			0	0.00			0	. 0
	Sub Total	·								0	33
					ļ						
3	Equipment								ļ I		
	Concrete Mixer 0.6m3	day	1					6480		6, 480. 00	0
	Sub Total					į				6, 480.00	o
	Total				·.	·	:			6, 480.00	33
					**			**			

4C0104

FC: YEN

PVC pipe, diameter 100mm

LC: US\$

Total estimate for 51m

No	Work Item	Unit	Quantity	Basic	Price	Unit	Cost
,						Am	ount
•				FC	LC	FC	LC
4C010401	Excavation & Disposal	М	51	0,00	1.63	0	83. 35
4C010402	Sand	М	51	0.48	1. 49	24	76.16
4C010403	Installation PVC Pipe	М	51	7, 58	3. 27	386	166.69
4C010404	Backfill & Compaction	, M	51	0.48	1.06	. 24	54. 15
	Total		,	-		435	380. 35
-				Unit Price per	m	9	7.46

4C010401

FC: YEN

Excavation & Disposal for PVC pipe 100 mm

LC: US\$

Total estimate for 51m

-	EXCAVACION & DISPOSAL TOL	* 'O PT	po roo mm								
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mate	rial	L	abor	Equi	ipment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										•
	Excavation & Disposal	m3	20	. 0	0.00					. 0	. 0
	Sub Total									. 0	0
2	Labor						· , i				•
	Foreman	man. day	0.4			0	38. 20	:		. 0	15
	Labor	man. day	4			0	14. 30			0	57
	Sub Total					·				0	72
. 3	Equipment				,					į	
•.											
	Sub Total									0	
								Total		0	72
								Unit Pric	e per m	0.00	1. 42
	INDIRECT COST								15%	0.00	0. 21
	TOTAL									0	1. 63

LA UNION PORT DEVELOPMENT PROJECT

4C010402

FC: YEN

Sand for Foundation of PVC Pipe 100mm

LC: US\$

Total estimate for 51 m

No.	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material								1.		
	Sand	m3	6.00	0	5. 16					0	: 31
	Wasted sand (5%)	т3	0.48	0	5. 16					0	2
	" Plate compactor 50kg	day	0.1	0	4					0	0
*	Sub Total									. 0	34
. 2	Labor										
	Foreman	man. day	0.1			0	38. 20			0	4
	Labor	man. day	2			0	14. 30			0	29
	Sub Total									0.	32
- 3	Equipment	i .									
	Plate compactor 50kg	day	0.1					212. 40	. 0	21. 24	
	Sub Total									21. 24	
								Total		21. 24	66
	$(1+\delta)^{\frac{1}{2}} (1+\delta)^{\frac{1}{2}}						Unit Price p	er m	0.42	1.30	
	INDIRECT COST					:			15%	0.06	0. 19
	TOTAL									0	1. 49

I A LINTON PORT DEVELOPMENT PROTECT

4C010403

FC: YEN

Installation of PVC Pipe 100mm

LC: US\$

Total estimate for 51m

No	Work Item	1	Quantity			Bas	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	nent	Ar	nount
				FC	LC	- FC	LC .	FC	LC	FC	LC
1	Material									·	I.
	PVC Pipe 100mm	m .	51	0	2. 13					. 0	109
	Above others 15%	L.S	5.1	0	2, 13				,	0	11
	Concrete anchor	m3	0	0	90.00					. 0	0
	Fuel Truck 4t with crane	day	0.1	.0	69					0	7 .
	Sub Total								:	0	126
2	Labor										
	Foreman	man. day	0.1			0	38, 20			0	4
	Labor	man. day	0.8			0	14. 30		٠.	0	11
	Truck 4t with crane	man. day	0.1			0	33			0	3
	Sub Total			·		٠.				0	19
3	Equipment									٠	
	Truck 4t with crane	day	0.1					3, 360	. 0	336	0
.	Sub Total									336	0
		-						Total	,	336	145
					· ·			Unit Price	er m	6.59	2.84
	INDIRECT COST								15%	0.99	0.43
-	TOTAL									8	3. 27

4C010404

FC: YEN

Backfill sand & Compaction for PVC pipe 100mm

LC: US\$

Total estimate for 51 m

packilli sand & Compact	LOH TOT 3	t to pipe	1 COMIN			LC. 000			rotar obtimat	
Vo Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
			Mater	ial	L	abor	Equip	ment	Amo	ount
			FC	LC	FC	LC	FC	LC	FC	LC
1 Material						:				
Backfill material	m3	14	0	0.00					0	. 0
Wasted Backfill sand (25%)	m3	0.7	- 0	0.00					0	. 0
" Plate compactor	day	0.1	0 .	4					0	0
Sub Total			·	,					0	0
2 Labor				*						
Foreman	man. day	0.1			0	38. 20			· 0	4
Labor	man. day	3			- 0	. 14. 30			0	. 43
Sub Total									0	47
3 Equipment						1				
Plate compactor	day	0.1		. [٠		212.40	0	21	1
Sub Total			<u> </u>						21	
		·					Total		21	47
					<u> </u>		Unit Price p	er m	0.42	0.92
INDIRECT COST					e			15%	0.06	0.14
TOTAL									0	1.06

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4C0104

FC: YEN

LC: US\$

Truck 4t with crane per day

No	Truck 4t with crane pe Work Item	Unit	Quantity			Bas	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	ment	A	mount
		·		FC	LC	FC	LC	FC	LC	FC	LC
1	Material							i .			
	Fuel & Lubricant	lr.	209, 00	0	0. 33					. 0	69
	Others	L. S.	1	0	0.00				*	0	0
•	Sub Total									0	69
						. :	•				
2	Labor										
	Operator	man. day	1			0	33.00			. 0	. 33
	Others	L.S.	1			0	0.00			0	0
	Sub Total									0	33
3	Equipment										
	Truck 4t with crane	day	1					3360	0	3, 360	
	Sub Total									3, 360	ļ
•											
	Total									3, 360	102

Fuel & Lubricant: 180ps x 0.11 x 4 x 1.05 100ps x 0.2 x 6 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0104

Dump truck 10t per day

FC: YEN LC: US\$

	Dump cruck for ber o	ay					B0 - 05 ¢				
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	nent	Amo	ount
- '				FC	· LC	FC	LC	FC ·	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33					0	102
	Others	L. S.	1	. 0	3.00					0	3
	Sub Total									0	105
2	Labor										
	Operator	man. day	1			0	33. 00			0	33
	Others	L.S.	1			0	0. 00			. 0	. 0
	Sub Total				•					0	33
3	Equipment]								
	Dump truck 10t	day	1					6720	. 0	6, 720	
	Sub Total		}							6, 720	1
		÷									
	Total							•		6, 720	138

.Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0104

FC: YEN

Backhoe 0.8 m3 per day

LC: US\$

No	Work Item		Quantity			Bas	sic Price			Uni	t Cost
110	WOIN 250M			Mate	rial	L	abor	Equip	ment	Ar	nount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material						٠.				
	Fuel & Lubricant	lr.	283.00	0	0. 33					. 0	93
	 Others	L. S.	. 1	0	2, 00				•	0	2
	Sub Total						•			0	95
2	Labor									·	
	Operator	man. day	1		·	0	33.00			0	33
	Others	L. S.	1			0	0.00			Ö	0
	Sub Total						<i>4</i> .	. :	•	0	33
	Sub Total										
								i			
3	Equipment							11280	0	11, 280	0
	Backhoe 0.8m3	day	1					11200	,	11, 280	0
·	Sub Total			ļ						11,200	Ů
											100
	Total									11, 280	128
			1					· ·			<u> </u>

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4C0104

FC: YEN

LC: US\$

Plate Compactor 60-100kg per day

No	Work Item	Unit	Quantity			Ва	sic Price		Uni	t Cost
		ļ		Mate	rial	L	abor	Equipment	A:	mount
				FC	LC	FC	LC	FC LC	FC	LC
1	Material									
	Fuel & Lubricant	lr.	5.00	0	0.33	-			0	2
	Others	L. S.	1	0	2, 00	·			0	2
	Sub Total			-					0	4
							·			
2	Labor				ĺ. I					
	Operator	man. day	1			. 0	33.00		. 0	. 33
	Others	L. S.	1			. 0	0.00		. 0	0
	Sub Total								0	. 33
	Paulumant									·
	Equipment Plate Compactor	day	1					212. 4	212.40	O
	Sub Total								212. 40	· 0
•	Total								212	37

Fuel & Lubricant: 5ps \times 0.2 \times 5 \times 1.05

4C0105

FC: YEN

PVC pipe, diameter 150mm

LC: US\$

Total estimate for 275m

No	Work Item	Unit	Quantity	Basic P	rice	Unit Co	st
						Amoun	t
•				FC	LC	FC	LC
4C010501	Excavation & Disposal	М	275	75. 27	1.37	20, 700	378.07
4C010502	Sand	M	275	24. 47	2.70	6, 730	743.49
4C010503	Installation PVC Pipe	M	275	28. 10	11.71	7, 728	3, 219. 87
4C010504	Backfill & Compaction	M	275	25. 36	0.48	6, 975	132. 88
	Total					42, 133	4, 474. 31
				Unit Price per m	<u> </u>	153	16. 27

LA UNION PORT DEVELOPMENT PROJECT

4C010501

FC: YEN

Excavation & Disposal for PVC pipe 150 mm

LC: US\$

Total estimate for 275m

No	Work Item	Unit	Quantity		\$.	Bas	ic Price			Unit	Cost.
				Mate	rial	L	abor	Equi	ipment	Amo	ount
				FC	LC	FC	LC .	FC	LC	FÇ	LC
. 1	Material										
	Excavation & Disposal	m3	337	0	0.00	: 				0	0
	Fuel Backhoe 0.8m3	day	1.0	. 0	95			į.		. 0	95
	" Dump truck 10t	day	1.0	0	105					0	105
	Sub Total									. 0	200
2	Labor										
	Foreman	man, day	1			0	38. 20			0	. 38
	Labor	man. day	4			0	14.30			0	57
	Backhoe 0.8m3	man. day	1			, 0	33			0	. 33
	Dump truck 10t	man. day	1			. 0	33	[0	33
	Sub Total						<i>*</i>			. 0	128
3	Equipment				* ,						
	Backhoe 0.8m3	day	1				4	11,280	0	11, 280	
	Dump truck 10t	day	1	.]				6,720	. 0	6, 720	
	Sub Total									18, 000	
								Total		18,000	329
								Unit Pric	e per m	65. 45	1.20
	INDIRECT COST								15%	9.82	0.18
	TOTAL							5		75	1.37

Sand for Foundation of PVC Pipe 150mm

FC: YEN

LC: US\$

Total estimate for 275 m

No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Mai	erial	L	abor	Equip	ment	Amo	ınt
			-	FC	LC	FC	LC	FC	LC	FC	LC
1	Material									,	
	Sand	m3 .	98.00	C	5. 16				4.	0	506
	Wasted sand (5%)	m3	4. 90	C	5. 16					0	. 25
	i '	day	0.5	·	95					0	48
	" Plate compactor 50kg	day	1.0		4	. 1			·	0	4
	Sub Total			1						0	582
	Labor							ļ			
2	Foreman	man. day	0.5			. 0	38. 20			0	19
	Labor	man. day	1			l · o	14.30			0	29
	Backhoe 0.8m3	man. day		1		0	33			0	17
		man. uay	0.0							0	. 64
	Sub Total						•				
3	Equipment],						11, 280		5, 640	
	Backhoe 0.8m3	day	0.5					212. 40	. 0	212. 40	
	Plate compactor 50kg	day	1	1				212.40		5, 852. 40	
	Sub Total		<u> </u>	<u> </u>		1	<u> </u>	<u></u>	<u> </u>		647
					•			Total		5, 852. 40	
								Unit Price		21. 28	2, 35
	INDIRECT COST						· · · · · · · · · · · · · · · · · · ·		15%		0. 35
	TOTAL				•					24	2.70

4C010503

FC: YEN

Installation of PVC Pipe 150mm

LC: US\$

Total estimate for 275m

	Installation of two tipe						DO: 000				
No	Work Item	Unit	Quantity			Ba	sic Price			Un:	it Cost
				Mate	rial	. L	abor	Equip	ment	A	mount
				FC	LC	FC	LC	FC	LC	FC	LC
- 1	Material										
	PVC Pipe 150mm	m	275	0	7. 56		· .			. 0	2, 079
	Above others 15%	L. S	41. 25	. 0	7. 56			,		0	312
	Concrete anchor	m3	0	0	90.00					. 0	0
	Fuel Truck 4t with crane	day	2	. 0	69					0	138
	Sub Total									0	2, 529
. 2	Labor										
	Foreman	man. day	2			0	38, 20			0	76
	Labor	man. day	9			C	14. 30			0	129
	Truck 4t with crane	man. day	2			0	33			. 0	66
	Sub Total							٠.	·	0	271
. 3	Equipment	* * .									
	Truck 4t with crane	day	2					3, 360	0	6, 720	0
	Sub Total							· · · · · · · · · · · · · · · · · · ·		6, 720	0
								Total	.:	6, 720	2, 800
4					<u> </u>			Unit Price p	oer m	24. 44	10.18
	INDIRECT COST								15%	3. 67	1.53
	TOTAL								. •	28	11.71

4C010504

FC: YEN

Backfill sand & Compaction for PVC pipe 150mm

LC: US\$

Total estimate for 275 m

4.7	Backfill sand & Compacti	ou for r	.AC bibe	TAOUUI			Δ0. 00ψ				····
No			Quantity			Ва	sic Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	- Amo	ount
				FC	LC	FC	LC .	FC	LC	FC	LC
1	Material								*		
	Backfill material	m3	179		0.00					0	. 0
	Wasted Backfill sand (25%)	m3	44.75		0.00			*		0	0
	Fuel Backhoe 0.8m3	day	0.5		95				·	0	48
	" Plate compactor	day	1.0		0 4					0	4
	Sub Total									0	51
2	Labor										_
	Foreman	man. day	0.5			0	38. 20			0	19
	Labor	man. day	2			0	14.30			0	29
	Backhoe 0.8m3	man. day	0.5	<u> </u>		0	33			0	17
	Sub Total									0	64
3	Equipment										
	Backhoe 0.8m3	day	0.5				İ	11, 280	0	5, 640	0
	Plate compactor	day	2					212. 40	. 0	425	0
	Sub Total	<u> </u>	<u> </u>				<u> </u>			6,065	0
				÷				Total		6, 065	116
								Unit Price	per m	22. 05	0.42
	INDIRECT COST								15%		0.06
	TOTAL									. 25	0.48

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4C0105

Truck 4t with crane per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price		re e	Uni	t Cost
				Mate	rial	L	abor	Equip	ment	Á	mount
				FC	LC ·	FC	LC	- FC	LC	FC	LC
1	Material			·			44.4			·	
	Fuel & Lubricant	lr.	209. 00	0	0. 33					0	69
	Others	L.S.	1	. 0	0.00				•	. 0	. 0
	Šub Total									0	69
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	1			0	0.00			0 -	0
	Sub Total	1								0	33
3	Equipment										
	Truck 4t with crane	day	. 1					3360	0	3, 360	. 0
	Sub Total									3, 360	0
	Total									3,360	102

Fuel & Lubricant: 180ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT

4C0105

Dump truck 10t per day

FC: YEN

No	Work Item		Quantity			Bas	sic Price			Unit	Cost
1,0				Mate	rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC.	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33					0	. 102
	Others	L. S.	1	0	3.00					0	3
	Sub Total			•					·	0	105
2	Labor			•							
	Operator	man. day	1			0	33. 00			0	33
1	Others	L. S.	1			0	0.00			0 .	. 0
	Sub Total									. 0	33
۱ ،	Equipment										
4	Dump truck 10t	day	1					6720	0	6, 720	0
I	Sub Total									6, 720	0
					,						.*
	Total									6, 720	138

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4Ç0105

FC: YEN

Backhoe 0.8 m3 per day

LC: US\$

No	Work Item	Unit	Quantity			Bas	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	ment	Aı	mount
				FC	LC	FC	LC	FC	LC	FC.	LC
1	Material			-							
	Fuel & Lubricant	lr.	283. 00	0	0.33					. 0	93
	Others	L. S.	. 1	0	2.00					. 0	2
•	Sub Total									0	95
			.	·			•		·		
2	Labor						· ·				
	Operator	man. day	1			0	33,00			0	33
	Others	L.S.	1			0	0.00	1		0	0
	Sub Total						·			0	33
			ļ								,
3	Equipment	-				1 1 1					
	Backhoe 0.8m3	day	1					11280	0	11, 280	. 0
	Sub Total									11, 280	0
								i in the			
•	Total					4:				11, 280	128
•								1 2			

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

Appendix-3. Equipment Cost LA UNION PORT DEVELOPMENT PROJECT 4C0105

FC: YEN

	Plate Compactor 60-100kg	per	day				LC: US\$				
No	Work Item	T	Quantity			Ba	sic Price			Uni	t Cost
		1			rial	L	abor	Equip	ment	- An	nount
				FC	LC	FC	LC	FC	rc	FC	LC
1	Material		-								
	Fuel & Lubricant	lr.	5. 00	0	0. 33					0	2
	Others	L. S.	1	0	2.00	٠.				0	2
	Sub Total	1						·		0	4
			İ								
2	Labor			 							
	Operator	man day	1			0	33. 00			0	33
•	Others	L.S.	1			0	0.00		:	. 0	(
	Sub Total									0.	33
										·	
. 3	Equipment				-						
	Plate Compactor	day	. 1					212.4	0	212. 40	
	Sub Total									212. 40	
	Total									212	3
							1 .				

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 4C0106

PVC pipe, diameter 200mm

FC: YEN

LC: US\$

Total estimate for 100m

No	Work Item	Unit	Quantity	Basic	Price	Unit Cost		
			*			Am	ount	
				FC	. LC	FC	LC	
4C010601	Excavation & Disposal	М	100	165.60	2. 99	16, 560	299. 17	
4C010602	Sand	M	100	67.30	3. 12	6, 730	312. 32	
4C010603	Installation PVC Pipe	М	100	38. 64	17.71	3, 864	1, 771. 25	
4C010604	Backfill & Compaction	М	. 100	69.75	1. 33	6, 975	132. 88	
	Total		1.0			34, 129	2, 515. 62	
				Unit Price per	m	341	25. 16	

4C010601

FC: YEN

Excavation & Disposal for PVC pipe 200 mm

LC: US\$

Total estimate for 100m

	Excavation & Disposal for	LAC DY	pe zoo mu				TO 000			TOTAL CSTIMA	70 202 200
No	Work Item		Quantity			Bas	sic Price			Unit	Cost
				Mate:	rial	L	abor	Equi	pment	Amo	unt
		 		FC	LC	FC	LC -	FC	LC	PC	LC
1	Material			·						4	
	Excavation & Disposal	m3	112.5	0	0.00	•				0	. 0
	Fuel Backhoe 0.8m3	day	0.8	. 0	95					0	76
	" Dump truck 10t	day	0.8	.0	105				·	0	84
	Sub Total				,					o	160
2	Labor									·	
	Foreman	man. day	0.8			. 0	38. 20			. 0	. 31
	Labor	man. day	3			. 0	14. 30	ļ ļ		0	43
	Backhoe 0.8m3	man. day	0.8			. 0	33			0	26
	Dump truck 10t	man. day				. 0	33			0	26
	Sub Total			1.4						0	100
	Equipment];									
	Backhoe 0.8m3	day	0.8					11,280	0	9,024	·
• •	Dump truck 10t	day	0.8		:			6, 720	0	5, 376	: C
	Sub Total				٠					14, 400	. C
				<u> </u>	L			Total		14, 400	260
				•				Unit Pric	e per m	144. 00	2. 60
	INDIRECT COST								15%	21.60	0.39
	TOTAL									166	2. 99

LA UNION PORT DEVELOPMENT PROJECT

4C010602

FC: YEN

Sand for Foundation of PVC Pipe 200mm

LC: US\$

Total estimate for 100 m

	Sand for roundacton of	LAC LIT	Je Zoomin				T.C. 000				
No	Work Item	Unit	Quantity				Unit	Cost			
				Mat	erial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	-LC	FC	LC
l,	Material									·	
• .	Sand	m3	28. 80	0	5. 16					. 0	149
	Wasted sand (5%)	m3	1. 44	0	5. 16					. 0:	7
•	Fuel Backhoe 0.8m3	day	0. 5	0	95				·	0	48
	" Plate compactor 50kg	day	1.0	0	4		:		·	0	4
	Sub Total									0	207
2	Labor										
		man. day	0. 5			0	38. 20		·	0	. 19
	Labor	man, day	2		*	0	14. 30		·	0	29
	Backhoe 0.8m3	man. day	0.5	-		0	33	•	,	0	17
	Sub Total									0	64
	Equipment			-						:	
		day	0.5			•		11, 280	0	5, 640	
	Plate compactor 50kg	day	. 1					212. 40	. 0	212. 40	
	Sub Total				٠					5, 852. 40	'
								Total		5, 852. 40	272
								Unit Price p	oer m	58. 52	2. 72
	INDIRECT COST								15%	8.78	0.41
	TOTAL									67	3.12

4C010603

FC: YEN

Installation of PVC Pipe 200mm

LC: US\$

Total estimate for 100m

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mate	rial	La	abor	Equip	ment	Am	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	PVC Pipe 200mm	m	100	. 0	12.05				·	0	1, 205
	Above others 15%	L. S	15	. 0	12.05					0	181
	Concrete anchor	m3	0	. 0	90.00					0	C
	Fuel Truck 4t with crane	day	1	0	69					0	. 69
	Sub Total									0	1,455
2	Labor										
	Foreman	man. day	1			0	38, 20			0	38
	Labor	man. day	1			. 0	14. 30			.0	14
-	Truck 4t with crane	man. day	1			. 0	33			0	33
ļ	Sub Total				•		,		·	0	86
3	Equipment				,		,				
	Truck 4t with crane	day	1					3, 360	0	3, 360	
	Sub Total									3, 360	
								Total		3, 360	1, 54
		ě	4					Unit Price p	per m	33. 60	15. 4
	INDIRECT COST								15%	5.04	2. 3
	TOTAL									39	17.7

4 LA UNION PORT DEVELOPMENT PROJECT

4C010604

FC: YEN

Backfill sand & Compaction for PVC pipe 200mm

LC: US\$

Total estimate for 100 m

,	Dackilli Sand & Compacti	011 101	rio proc	200mm			TC+ not			TOTAL ESTIMA	te for 100 m
No	Work Item	Unit	Quantity			Ва	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	ment	An	nount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Backfill material	m3	21	·. · 0	0.00					.: 0	0
	Wasted Backfill sand (25%)	m3	5. 25	. 0	0.00	·				0	0
	Fuel Backhoe 0.8m3	day	0.5	0	95					0	48
	" Plate compactor	day	1.0	0	4					0	4
	Sub Total					:				0	51
. 2	Labor.		,	٠.			·		-	<u>.</u>	
	Foreman	man. day	0.5			0	38. 20			0	19
•	Labor	man. day	2			0	14. 30			0	29
	Backhoe 0.8m3	man. day	0.5			. 0	33			0	17
	Sub Total									0	. 64
. 3	Equipment							·			
	Backhoe 0.8m3	day	0.5					11,280	. 0	5, 640	
	Plate compactor	day	2	٠.		·		212.40	0	425	C
	Sub Total									6, 065	C
		-	 				·	Total		6, 065	116
			•					Unit Price p	er m	60.65	1.16
	INDIRECT COST								15%	9. 10	0.17
	TOTAL									70	1.33

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4C0106

FC: YEN

LC: US\$

Truck 4t with crane per day

No	Work Item	T	Quantity			Bas	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	nent	· Ar	nount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	209.00	. 0	0.33					. 0	69
	Others	L.S.	1	. 0	0.00					0	. 0
	Sub Total			i		:	į			. 0	69
. 2	Labor		.]								
	Operator	man. day	1			. 0	33.00			0	33
	Others	L. S.	1			0	0.00			0	. 0
•	Sub Total									. 0	33
3	Equipment					:					
•	Truck 4t with crane	day	1					3360	0	3,360	
	Sub Total					1.0				3, 360	
٠											
	Total									3, 360	102
			,								

Fuel & Lubricant: 180ps x 0.11 x 4 x 1.05

100ps x 0, 2 x 6 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0106

Dump truck 10t per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
	· .			FC	. TC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	0	0. 33	•				. 0	102
·	Others	L.S.	1	o	3.00					0	
	Sub Total					•				0	· 105
					·			·			
2	Labor	1									·
. 1	Operator	man. day	1			0	33.00			0	33
·	Others	L.S.	1			0	0.00			0	0
	Sub Total					* *		·		0	33
									·		
3	Equipment							٠			
· į	Dump truck 10t	day	1		*			6720	. 0	6, 720	. 0
	Sub Total							,		6, 720	0
.	Total									6, 720	138

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0106

Backhoe 0.8 m3 per day

FC: YEN LC: US\$

•	Backnoe v. 8 ms per da	· y		20- 000								
No	Work Item	Unit	Quantity			Bas	sic Price			Uni	t Cost	
				Mate	rial	L	abor	Equip	nent	Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
. 1	Material									[
	Fuel & Lubricant	lr.	283.00	0	0.33					0	93	
	Others	L.S.	1	0	2. 00					0	2	
	Sub Total									o	95	
n	Labor				• •							
4	Operator	man. day	1			0	33.00			0	33	
	Others	L. S.	1		·	. 0	0.00		٠	0	0	
	Sub Total									0	33	
						r						
3	Equipment Backhoe 0.8m3	day						11280	0	11, 280		
,	Sub Total	uay						·		11, 280		
						٧.				71.000	100	
	Total									11, 280	128	

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

Appendix-3. Equipment Cost

LA UNION PORT DEVELOPMENT PROJECT

4C0106

FC: YEN

LC: US\$

Plate Compactor 60-100kg per day

Unit Cost Basic Price Work Item Unit Quantity Labor Equipment Material Amount FC LC FC LC FC LC FC LC 1 Material 0.33 Fuel & Lubricant lr. 5.00 2.00 Others L. S. Sub Total 2 Labor 33.00 33 Operator man. day L.S. Others 0.00 33 Sub Total 3 Equipment 212.4 212.40 Plate Compactor day 212.40 Sub Total 212 37 Total

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C0107

PVC pipe, diameter 300mm

FC: YEN

LC: US\$ Total estimate for 145m

	No Work Item		Unit	Quantity	Basic	Price	Unit Cost Amount		
	• .				FC	rc	FC	· LC	
	40010701	Excavation & Disposal	M	145	249.35	5. 52	36, 156	800.40	
	4C010702	Sand	М	145	92. 83	7.94	13, 461	1, 151. 31	
	4C010703	Installation Ductile Iron Pipe	М	145	131. 34	42. 92	19, 044	6, 223. 54	
	4C010704	 Backfill & Compaction	М	145	92. 83	4.74	13, 461	687. 92	
].		Total			· .	* .	82, 121	8, 863. 17	
L				.*	Unit Price per	m	566	61. 13	

4C010701

FC: YEN

Excavation & Disposal for PVC pipe 300 mm

LC: US\$

Total estimate for 145m

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mate	rial	L	abor	Equi	pment	Amo	ount
				FC	LC	FC	LC -	FC	LC	FC	LC
1	Material									·	:
	Excavation & Disposal	m3	234	0	0.00					. 0	. 0
	Fuel Backhoe 0.8m3	day	1	. 0	95					. 0	95
	" Dump truck 10t	day	3	0	. 105					0	315
	Sub Total			-	·					0	410
2	Labor							ļ		·	
	Foreman	man. day	1			0	38. 20			. 0	38
	Labor	man. day	15			. 0	14. 30			0	215
	Backhoe 0.8m3	man. day	1			0	33		÷ .	. 0	33
	Dump truck 10t	man. day	3			0	33			0	99
	Sub Total						<i>:</i>			0	286
.3	Equipment										
	Backhoe 0.8m3	day	1					11, 280	0	11, 280	о
	Dump truck 10t	day	3					6, 720	0	20, 160	0
	Sub Total						* .			31, 440	0
								Total		31, 440	696
`				<u> </u>				Unit Pric	e per m	216.83	4.80
	INDIRECT COST								15%	32, 52	0.72
	TOTAL						****			249	5. 52

4C010702

FC: YEN

Sand for Foundation of PVC Pipe 300mm

LC: US\$ Total estimate for 145 m

No	Work Item		Quantity			Bas	ic Price			Unit	Cost
					erial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC ·	FC	LC LC
1	Material										
	Sand	m3	95.00	0	5. 16					0	490
	Wasted sand (25%)	m3	23.75	0	5. 16					0	123
	Fuel Backhoe 0.8m3	day	1	0	95					0	95
	" Plate compactor 50kg		2.0	0	4				·	. 0	, 7
	Sub Total				1.1			1		0	715
9	Labor				٠.						
ļ:	Foreman	man, day	1				38. 20			0	38
	Labor	man. day					14.30			0	. 215
	Backhoe 0.8m3	man. day	1			0	33			0	33
	Sub Total	man. day	1							0	286
3	Equipment	1,						11, 280	0	11, 280	C
	Backhoe 0.8m3	day	1					212. 40		424.80	
	Plate compactor 50kg	day	2	1				212. 40		11,704.80	
<u>L</u>	Sub Total		<u> </u>			<u> </u>	<u> </u>	<u></u>	<u> </u>		1,001
		÷					*	Total		11, 704. 80	
				<u> </u>				Unit Price		80.72	6. 90
	INDIRECT COST				· ·				15%		1.04
	TOTAL									93	7.94

4C010703

FC: YEN

Installation of PVC Pipe 300mm

LC: US\$

Total estimate for 145m

	installation of tyc ripe	O O O O IIIII					TO 000			TOTAL COULING	
No	Work Item	Unit	Quantity			Ba	sic Price	ere de la companya de la companya de la companya de la companya de la companya de la companya de la companya d		Uni	t Cost
				Mate	rial	· L	abor	Equip	ment	A	mount
				FC	LC	·FC	LC	FC FC	LC	FC	LC
1	Material										
	PVC pipe 300mm	m	145	0	24. 10	i.				. 0	3, 495
	Above others 15%	L. S	21. 75	0	24. 10					. 0	524
}	Concrete anchor	m3	4	0	90.00					. 0	360
	Fuel Truck 8t with crane	day	3	0	83					0	248
	Sub Total					· · · · · ·				0	4, 626
2	Labor										
	Foreman	man. day	3			0	38. 20			0	115
	Labor	man. day	40			0	14.30			0	572
	Truck 4t with crane	man. day	3			0	33			0	99
	Sub Total									0	. 786
3	Equipment					18 18 18 18		11.00			
	Truck 8t with crane	day	3				1	5, 520	.0	16, 560	C
	Sub Total									16, 560	. 0
								Total		16, 560	5, 412
								Unit Price p	oer m	114. 21	37. 32
	INDIRECT COST							the state of the	15%	17.13	5. 60
	TOTAL							1 1 4 4		131	42. 92

4C010704

FC: YEN

Backfill sand & Compaction for PVC pipe 300mm

LC: US\$

Total estimate for 145 m

	Backfill sand & Compacti	OIL TOT	t to bibe	OCCURIT			LC. COO				
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
٠		1		Mate	rial	L	abor	Equip	ment	Ame	ount.
			1	FC	LC -	FC	LC	FC	LC	FC	LC -
. 1	Material										
	Backfill material	m3	88	0	0.00					0	C
	Wasted Backfill sand (25%)	ш3	22	0	0.00					0	C
	Fuel Backhoe 0.8m3	day	. 1	0	95		1.			0	95
25	" Plate compactor	day	2. 0	0	4					0	. 7
	Sub Total		1							0	103
2	Labor		· .							·	٠
	Foreman	man. day	2	·		. 0	38. 20] 		. 0	. 76
	Labor	man. day	27			0	14. 30			0	386
٠. ٠.	Backhoe 0.8m3	man. day	1			. 0	33			0	33
	Sub Total	1		·			·	,		0	496
3	Equipment										
	Backhoe 0.8m3	day	1					11, 280	.0	11,280	
	Plate compactor	day	2					212. 40	0	425	
	Sub Total									11,705	
	<u> </u>	<u></u>		I			<u> </u>	Total		11,705	598
				**		*		Unit Price	oer m	80.72	4. 13
	INDIRECT COST				····				15%	12. 11	0. 62
	TOTAL									93	4. 74

Appendix-3. Equipment Cost LA UNION PORT DEVELOPMENT PROJECT 4C0107

FC: YEN

LC: US\$

Truck 4t with crane per day

No	Work Item	Unit	Quantity			Ва	sic Price			Uni	t Cost
		. -		Mate	rial	L	abor	Equipa	ment	A	mount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	250.00	" 0	0. 33					0	83
	Others	L.S.	1	0	0.00	•			•	0	0
	Sub Total									0	83
2	Labor										
	Operator	man. day	1	,		0	33.00	·	•	0	33
	Others	L. S.	1			0.	0.00			0	0
	Sub Total									0	33
3	Equipment				4						
	Truck 4t with crane	day	1					5520	0	5, 520	0
	Sub Total			•		. •	a de la companya de l			5, 520	. 0
į	Total			j				•		5, 520	116
										·	

Fuel & Lubricant: 269ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

Appendix-3. Equipment Cost

4C0107

FC: YEN

LC: US\$

Dump truck 10t per day

	Dump truck 10t per da	· y					DO: 004				
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
					rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
	Material Fuel & Lubricant Others	lr. L.S.	309.00 1	0						0	102
2	Sub Total Labor									0	109
	Operator Others	man.day	1			0	33. 00 0. 00			0 0	
9	Sub Total Equipment		٠.							V	
•	Dump truck 10t Sub Total	day	1	·				6720	0	6, 720 6, 720	
	Total									6, 720	· I

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

Appendix-3. Equipment Cost LA UNION PORT DEVELOPMENT PROJECT 4C0107

FC: YEN

LC: US\$

Backhoe 0.8 m3 per day

No	Work Item	Unit	Quantity			Bas	sic Price			Uni	t Cost
				Mate	rial	L	abor	Equip	ment	A	mount
	·			FC	LC	FC	LC	FC	- LC	FC	rc rc
1	Material										
	Fuel & Lubricant	lr.	283.00	0	0. 33					o	93
٠	Others	L.S.	1	. 0	2.00			,		0	. 2
	Sub Total									c	95
				•							
. 2	Labor				·		į.				
	Operator	man. day	1			0	33. 00			0	. 3:
	Others	L. S.	1			0	0.00			0	(
	Sub Total									. 0	3:
3	Equipment										
	Backhoe C. 8m3	day	.1					11280	0	11, 280	
.	Sub Total	-		į	1					11,280	
:					-						
	Total									11, 280	128

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

Appendix-3. Equipment Cost

4C0107

FC: YEN

per day Plate Compactor 60-100kg

LC: US\$ Unit Cost Basic Price Work Item Quantity Unit Amount Labor Equipment Material LC LC. FC LC FC FC LC FC 1 Material 0.33 5, 00 Fuel & Lubricant lr. 2.00 L. S. Others Sub Total 2 Labor 33 33.00 0 man. day Operator L. S. 0.00 Others Sub Total 3 Equipment 212.40 212.4 day Plate Compactor 212.40 Sub Total 37 212 Total

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

4C0108 PVC nine diameter 400mm

•	PVC pipe, diameter 400mm			to a solit	LC: US\$	Total estimat	e for 145m
No	Work Item	Unit	Quantity	Basic	Price	Unit	Cost
		1 1				Amo	ount
				FC	LC	FC	LC
4C010801	Excavation & Disposal	М	145	392.11	7.79	56, 856	1, 129. 14
4C010802	Sand	М -	145	92.83	9. 42	13, 461	1, 366. 42
4C010803	Installation Ductile Iron Pipe	М	145	175. 12	77. 13	25, 392	11, 184. 30
4C010804	Backfill & Compaction	М	145	92.83	4.74	13, 461	687. 92
1	Total					109, 169	14, 367. 77
				Unit Price p	er m	753	99.09
						US\$	105. 36

FC: YEN

Total estimate for 145m LC: US\$ Excavation & Disposal for PVC pipe 400 mm Unit Cost Basic Price Unit Quantity Work Item Equipment Amount Material Labor FC LC FC LÇ LC FC LC FC 1 Material 0.00 Excavation & Disposal 304 191 95 Fuel Backhoe 0.8m3 2 day 420 105 Dump truck 10t day 611 Sub Total 2 Labor 76 0 38, 20 Foreman man. day 14.30 0 229 16 man. day Labor 0 66 33 2 Backhoe 0.8m3 man. day 0 132 man. day Dump truck 10t 371 0 Sub Total 3 Equipment 22,560 11,280 day Backhoe 0.8m3 26,880 6,720 day Dump truck 10t 49, 440 Sub Total 982 49, 440 Total 340.97 6.77 Unit Price per m 51.14 1.02 INDIRECT COST 392 7, 79 TOTAL

	Sand for Foundation	of PVC	Pipe 400	mm	•		LC: US\$			Total estim	ate for 145
No	Work Item		Quantity			Basi	c Price			Unit	Cost
				Ma	terial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
l	Material							!			•
	Sand	m3	124.00	(5. 16					. 0	640
	Wasted sand (25%)	m3	31, 00	(5.16					0	160
	Fuel Backhoe 0.8m3	day	- 1	(95					0	95
	" Plate compactor 5	day	2. 0	. (4			ļ		0	7
	Sub Total	1	•		į.					0	902
2	Labor				ļ						
	Foreman	man. day	1	•		0	38. 20			0	38
	Labor	man. day	15			0	14.30			0	. 215
	Backhoe 0.8m3	man. day	1			0	33			. 0	33
	Sub Total									- 0	286
3	Equipment	•									
	Backhoe 0.8m3	day	1					11, 280	0	11, 280	
	Plate compactor 50kg	day	2		ĺ			212.40	0	424.80	
	Sub Total	i								11, 704. 80	
								Total		11, 704. 80	1, 188
								Unit Price	per m	80.72	8. 19
	INDIRECT COST								15%	12. 11	1. 23
	TOTAL									93	9. 42

FC: YEN

Total estimate for 145m LC: US\$ Installation of PVC Pipe 400mm Unit Cost Basic Price Work Item Unit Quantity Amount Equipment Labor Material FC LC LC FC ·LC FC LC FC 1 Material 7,729 PVC pipe 400mm 53.30 145 524 24.10 21.75 Above others 15% 0 90.00 Concrete anchor 330 83 Fuel Truck 8t with crane day 8, 583 Sub Total 2 Labor 153 38.20 man, day Foreman 858 14.30 60 man. day Labor 132 33 man. day Truck 4t with crane 1, 143 Sub Total 3 Equipment 0 22,080 5,520 Truck 8t with crane day 22,080 Sub Total 22, 080 9,725 Total Unit Price per m 152. 28 67.07 22.84 10.06 15% INDIRECT COST 175 77. 13 ·TOTAL

FC: YEN

Backfill sand & Compac	tion f	or PVC p	ipe 400mm			LC: US\$	1 2 2		Total estim	ate for 145 m
No Work Item	Unit	Quantit			Bas	sic Price	,		Unit	Cost
	İ]	Mate	rial	L	abor	Equip	ment	Am	ount
			FC	LC	FC	LC	FC	LC	FC	LC
l Material										
Backfill material	m3	114	0	0.00					. 0	0
Wasted Backfill sand (25%	m3	28. 5	0	0.00					0	0
Fuel Backhoe 0.8m3	day	1	0	95					. 0	95
" Plate compactor	day	- 2.0	0	4	•	!			0	7
Sub Total		İ							. 0	103
2 Labor	1									
Roreman	man. day	2			0	38, 20			• 0	76
Labor	man. day	27			. 0	14. 30			0	386
Backhoe 0.8m3	man. day	1			0	33			0	33
Sub Total									0	496
3 Equipment	ļ					1				
Backhoe 0.8m3	day	1				·	11,280	0	11, 280	0
Plate compactor	day	2					212. 40	. 0	425	0
Sub Total				* -					11,705	0
							Total		11, 705	598
						·	Unit Price	per m	80. 72	4. 13
INDIRECT COST								15%	12. 11	0.62
TOTAL									93	4.74

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0108

FC: YEN

	Truck 4t with crane	per d	ay				LC: US\$				
No	Work Item	Unit	Quantity			Bas	sic Price			Uni	t Cost
		1	Ī	Mate	rial	L	abor	Equip	ment	An	ount
		<u> </u>		FC	LC	FC	LC	FC	LC	FC	LC
1	Material				1 1				·		
	Fuel & Lubricant	lr.	250.00	0	0.33					0	83
i	Others	L.S.	1	- 0	0.00				i	0	0
1 .	Sub Total								·	. 0	83
	ļ ·				٠.						
2	Labor		l.						ĺ		
	Operator	man. day	1			0	33.00	·	ļ	0	33
	Others	L. S.	1			, 0	0.00	·		0	. 0
	Sub Total		1		:	•		•		0	. 33
				•	*						
. 3	Equipment										
	Truck 4t with crane	day	1	'				5520	0	5,520	(
1	Sub Total	"								5, 520	(
	Total									5, 520	116

Fuel & Lubricant: 269ps x 0.11 x 4 x 1.05 100ps x 0.2 x 6 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0108

Dump truck 10t per day

FC: YEN

	Dump truck 10t per	day					Tr 029				
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
		1			rial	L:	abor	Equip	ment	Am	ount
	,			FC	LC	FC	LC	FC	LC	FC	LC
	Material Fuel & Lubricant Others	lr. L.S.	309.00 1	0	0. 33 3. 00					0	102
2	Sub Total Labor Operator Others Sub Total	man. day	1 1			0	33. 00 0. 00			0 0 0	33 0 33
	Equipment Dump truck 10t Sub Total	day						6720		0 6, 720 6, 720	
	Total									6, 720	138

Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05

Appendix-3. Equipment Cost
LA UNION PORT DEVELOPMENT PROJECT
4C0108

FC: YEN

No	Backhoe 0.8 m3 per Work Item	day Unit	Quantity	·····	·		ic Price			Uni [.]	t Cost
	WOIR ICEM	0		Mate	rial		bor	Equip	nent	Am	ount
				FC	LC	FC	LC	FC	LC	FC	LC
]	Material Fuel & Lubricant Others	lr. L.S.	283.00	0	0. 33 2. 00					0	93 2 95
***	Sub Total Labor Operator Others Sub Total	man. da L. S.	y 1			0	33. 00 0. 00	3 I		0 0	33 0 33
	Bequipment Backhoe O.8m3 Sub Total	day	1					11280	C	11, 280	128
	Total									11, 280	

Fuel & Lubricant: 169ps x 0.2 x 8 x 1.05

Appendix-3. Equipment Cost LA UNION PORT DEVELOPMENT PROJECT 4C0108

FC: YEN LC: US\$

700100						t O . TIOA				and the second second
								•	T	
Work Item	Unit	Quantity	~~~		Bas	sic Price			· · · · · · · · · · · · · · · · · · ·	t Cost
ĺ			Mate	rial	L	abor	Equip	ment	Aı	nount
·			FC	rc	FC	LC	FC	LC	FC	LC
Material					- " "					
Fuel & Lubricant	lr.	5.00	0	0. 33		-	·		0	2
Others	L. S.	1	0	2.00		·			0	2
Sub Total									0	4
Labor					e.					
Operator	man. da	y 1			0	33.00	÷		0	33
Others	L. S.	1			0	0.00			0	o
Sub Total		1	:				, ,		0	33
Paul mant	1									
1	day	,					212 4	0	212 40	
i e	uay			•	**		212. ∓	Ĭ		
onn intal						· .	·		212.40	
Total]			,				212	37
	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others	Material Fuel & Lubricant lr. Others L. S. Sub Total Labor Operator man. da Others L. S. Sub Total Equipment Plate Compactor Sub Total	Material Fuel & Lubricant lr. 5.00 Others L. S. 1 Sub Total Labor Operator man. day 1 Others L. S. 1 Sub Total Equipment Plate Compactor day 1 Sub Total	Work Item Unit Quantity Material FC Material 1r. 5.00 0 Others L. S. 1 0 Sub Total 1 0 Labor 1 0 Operator 1 0 Others L. S. 1 Sub Total 2 0 Equipment 2 0 Plate Compactor 2 0 Sub Total 3 0	Work Item Unit Quantity Material FC LC Material 1r. 5.00 0 0 0.33 Others L. S. 1 0 2.00 Sub Total L. S. 1 0 2.00 Labor Operator Operator Operator Others L. S. 1 1 0 2.00 Sub Total L. S. 1 1 0 2.00 Equipment Plate Compactor Sub Total Description of the plane of the p	Work Item	Work Item	Work Item	Work Item	Work Item

Fuel & Lubricant: 5ps x 0.2 x 5 x 1.05

4C0201

FC: YEN

MANHOLE OF WASTE WATER

LC: US\$

No	Work Item	Unit	Quantity	Basic Pr	ice	Unit Co	st
		1				Amoun	
			·	FC	LC	FC	LC .
4C020101	Excavation & Disposal	Nos.	15	482.45	8. 13	7, 237	122. 00
4C020102	Crushed Stone for Foundation	Nos.	15	88. 11	3. 91	1, 322	58. 60
4C020103	Lean Concrete	Nos.	15	58.88	18. 25	883	273.69
4C020104	Reinforcement	Nos.	15	5, 474. 00	319.58	82, 110	4, 793. 77
4C020105	Corner Angle	Nos.	15	914. 94	60.01	13, 724	900.18
40020106	Concrete Placing	Nos.	15	949. 44	375. 07	14, 242	5, 626. 04
40020107	Backfill Sand & Compaction	Nos.	15	113.87	10.10	1,708	151. 51
	Total					121, 225	11, 925. 79
	<u> </u>			Unit Price per No.		8, 082	795.05

40020101

FC: YEN

Excavation & Disposal for Manhole

LC: US\$

	Excavation & Disposal 1	or mainio	7.6				TC - 024			TOTAL OBULING	CC 101 10 103
No	Work Item	Unit	Quantity			Ва	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	l Material										
	Excavation sand	m3	65. 82	0	0.00					0	0
}	Fuel Backhoe 0.8m3	day	0. 26	. 0.	95					0	25
1	" Dump truck 10t	day	0.50	0	105					C	52
	Sub Total									0	77
2	Labor			·							
1	Foreman	man. day				0	38. 20			. 0	0
	Labor	man. day	0.26			0	14. 30			0	4
1	Backhoe 0.8m3	man. day	0. 26		-	. 0	33			0	9
	Dump truck 10t	man. day	0. 50	,		0	33			0	17
	Sub Total						<i>y</i> . *			0	29
1 3	B Equipment		}								
	Backhoe 0.8m3	day	0. 26					11, 280	0	2, 933	(
	Dump truck 10t	day	0. 50					6, 720	0	3,360	(
	Sub Total					·				6, 293	(
L			<u> </u>			<u> </u>	·	Total		6, 293	106
•								Unit Price	oer No.	419. 52	7.07
	INDIRECT COST								15%	62. 93	1.06
	TOTAL						1.0)		482	8. 13

4C020102

FC: YEN

Crushed stone for Foundation of Manhole

LC: US\$

No	Work Item	Unit	Quantity			Basi	c Price			Unit (Cost
					erial	L	abor	Equips	nent	Аточ	nt
		,		FC	LC	FC	LC	FC	LC	FC	LC
1	Material				: .						
	Crushed stone	m3	5.07	0	5. 16			·		0	26. 16
	Wasted crushed stone (25%)	m3	1. 27	0	5.16					0	6.54
	1 .	day	0.1	: 0	95	.				0	9.54
	" Tampa 60kg	day	0.10	0	2					0	0.17
	Sub Total] [.			•	0	42.41
l	Labor										•
_	Foreman	man, day	0.1			0	38. 20			0	3. 32
	Labor	man. day	1			0	14. 30			0	1. 43
	Backhoe 0.8m3	lman. day		ĺ		0	33			0	3.30
	Sub Total						4			o l	8. 55
ړ	Equipment										•
]	Backhoe 0.8m3	day	0, 1					11, 280	0	1, 128. 00	
,	Tampa 60kg	day	0, 1	1 .				212. 40	0	21. 24	(
	Sub Total									1, 149	(
L	000 10001	<u> </u>	<u> </u>	<u> </u>	<u> </u>			Total	,	1, 149	51
				•				Unit Price p	er No.	76. 62	3. 40
<u> </u>	INDIRECT COST								15%	11. 49	0.51
 	TOTAL									88	3.91

Lean Concrete

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC · · ·	FC -	LC
1	Material										
	Ready mixed concrete	m3	3.37	0	65.00					0	219
	Wasted concrete(1.5%)	m3	0.05	0	65.00					0	. 3
	Fuel Concrete mixer 0.6m3	day	0.10	0	0					0	0
	" Generator 45KVA	day	0.10	0	. 24					0	2
	Sub Total									0	225
2	Labor				<i>.</i>						
	Foreman	man. day	0.10			. 0	38. 20			0	4
1.	Labor	man. day	0. 20			0	14. 30			0	3
	Concrete mixer 0.6m3	day	0.10			0	33		·	0	3
	Generator 45KVA	day	0.10			. 0	33			. 0	. 3
1	Sub Total	,								О	13
3	Equipment										•
	Concrete mixer 0.6m3	day	0.10					6, 480	0	648	0
	Generator 45KVA	day	0.10					1, 080	0	108	0
	Vibrator	day	0.10					120	0	12	. 0
	Sub Total									768	0
			·					Total		768	238
						٠	1. S. C. C.	Unit Price p	er No.	51.20	15.87
	INDIRECT COST								15%	7.68	2.38
	TOTAL	·····		•		· · · · · · · · · · · · · · · · · · ·				59	18. 25

4C020104

Reignforcement

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity		<u> </u>	Basi	c Price			Unit	Cost
		1		Ma	terial	L.	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
	Material Reinforcement bar	kg	4792, 00	(0.36			4) f		. 0	1,725
	Wasted steel bar(1.5%)	kg	71.88	. (0.36	,				0	26
	Fuel Truck crane 16t	day .	5	(77					0	383
	" Truck 8t	day	5	(80					0	399
	" Generator 45KVA	day	- 5	. (24	, -		1.	,	. 0	119
i ·	Sub Total		· .							0	2, 652
2	Labor			}			*				
	Foreman	man. day	5			0	38.20			. 0	191
	Labor	man. day	50			0	14.30			0	·715
	Welder	man, day	. 5			0	23.09			. 0	115
١.	Truck crane 16t	man. day	. 5			. 0	33			0	165
	Truck 8t	man. day	5			0	33			0	165
	Generator 45KVA	man. day	5			0	33		,	. 0	165
	Sub Total	-					•			0	1, 516
3	Equipment										
	Truck crane 16t	day	5				ļ	9, 480	0	47400	0
1	Truck 8t	day .	5					3, 480	0	. 17, 400	0
	Generator 45KVA	day	5					1,080	0	5, 400	. 0
	Bar cutter	day	5		1			120	. 0	600	0
	Bar bender	day	5				į	120	0	600	0
	Sub Total						<u> </u>	<u> </u>		71, 400	0
								Total		71, 400	4, 168
•	•					٠.	· · · ·	Unit Price	per No.	4,760.00	277.90
<u> </u>	INDIRECT COST								15%	714.00	41.68
	- TOTAL									5,474	. 319.58

LA UNION PORT DEVELOPMENT PROJECT

4C020105

FC: YEN

Corner Angle for Manhole

LC: US\$

No.	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
İ]. [Ma	terial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	rc	FC	LC	FC	LC
1	Material		{				İ				
	Coner angle	kg	166.65	0	0.36					. 0	- 60
	Wasted corner angle (2%)	kg	3. 33	0	0.36					. 0	I
	Miscellaneous	L. S.	1	0	1. 22					0	1
	Fuel Truck 8t	day	2. 5	0	80					0	200
	" Generator 45KVA	day	2, 50	0	24					0	59
	Sub Total		1							. 0	322
2	Labor		1								
	Foreman	man. day	2. 5			0	38. 20			0	96
	Labor	man. day	10			. 0	14. 30			0	143
	Welder	man. day	2. 5			o	23. 09			0	58
	Truck 8t	man. day	2.5			0	33			0	83
:	Generator 45KVA	man. day	2.5		[0	33			0	83
	Sub Total					·				0	461
3	Equipment										
	Truck 8t	day	2.5			٠.	:	3, 480	0	8,700	. 0
	Generator 45KVA	day	2. 5					1, 080	0	2, 700	. 0
	Welder 300A	day	2, 5					120	. 0	300	0
	Other equipment	L.S.	1					234	. 0	234	. 0
1	Sub Total			*					- '	11, 934	0
								Total		11, 934	783
			•	: .	*			Unit Price	er No.	795.60	52. 18
	INDIRECT COST								15%	119.34	7.83
	TOTAL									915	60.01

40020106

FC: YEN

No	Work Item	Unit	Quantity			1	as i	c Price		·	Unit	
	•	. !		Material			La	bor	Equipm		Amo	
				FC	LC	FC		LC	FC	LC LC	FC	LC
- 1	Material				٠		- 1					
	Cover for manhole	Nos	15.00	0	142, 86	ļ	Į			·	0	. 2, 14
	Ready mixed concrete	m3 .	17.84	0	70, 00				1		0	1, 24
	Wasted concrete (5%)	ın3	0.89	0	70.00		-				0	(
	Formwork	m2	217.00	. 0	5. 50]	1	·			0	1, 19
	Fuel Truck crane 16t	day	0.6	. 0	. 77		1	ĺ			. 0	4
	" Concrete mixer 0.6m3	day	0.6	0	0		1				0	
	" Generator 45KVA	day	0.6	0	24						٥	1
	" .Truck 8t	day	0.6	. 0	80		-	'			0	
	Sub Total						- 1				0	4, 7
2	Labor						}					
	Foreman	man. day	0.6	·		1	0	38. 20			0	
	Labor	man. day	2. 4				0	14. 30			. 0	
	Truck crane 16t	man. day	0.6				0	33			0	:
	Concrete mixer 0.6m3	man. day	0.6				0	. 33			. С	:
	Generator 45KVA	man. day	0.6			ļ	0	33			. 0	:
	Truck 8t	man. day	0.6				0	33	. 1		0	
	Sub Total		ļ			} .					0	1:
(Equipment -									•		
	Truck crane 16t	day	0.6						9, 480	. 0	5688	
	Concrete mixer 0.6m3	day	0.6						6, 480	0	3, 888	
	Generator 45KVA	day	0.6						1,080	0	648	
	Truck 8t	day	0.6			ļ			3, 480	. 0	2, 088	
	Vibrator	day	0.6						. 120	0	72	
	Sub Total	}									12, 384	
_	1	1							Total		12, 384	4, 8
			-						Unit Price	oer No.	825, 60	326.
	INDIRECT COST	,								15%	123.84	48.
_	TOTAL										949	375.

4C020107

FC: YEN

Backfill sand & Compaction

LC: US\$

No	Work Item	Unit	Quantity			Ва	sic Price	**.		Unit	Cost
				Mate	rial	· L	abor	Equip	ment	Amo	ount
	•••			FC	LC	FC	rc	FC	LC	FC	LC
1	Material								<i>2</i>		
	Backfill sand	m3	20, 65	0	4. 00					0	83
	Wasted Backfill sand (25%)	m3	5, 16	0	4.00					0	21
	Fuel Backhoe 0.8m3	day	0.1	0	95					0	. 10
	" Tire roller 8-20t	day	0.1	.0	55					0	6
	" Tampa 60kg	day	0.1	0.2	. 2					0	. 0
	Sub Total			1		N.,				0	118
2	Labor										
	Foreman	man. day	0, 1			<u> </u>	38, 20			0	4
٠.	Labor	man. day	0.2			0	14.30			0	3
,	Backhoe 0.8m3	man.day	0.1	e e		0	33			. 0	3
	Tire roller 8-20t	man. day	0.1			0	33			0	3
:	Sub Total		·		٠					. 0	13
3	Equipment										1
	Backhoe 0.8m3	day	0.1					11, 280	0	1, 128	. 0
	Tire roller 8-20t	day	0.1					3, 360	0	336	. 0
-,	Tampa 60kg	day	0. 1			7		212	. 0	21	. 0
	Sub Total									1, 485	0
				·, .				Total		1, 485	132
· ·				e for the local				Unit Price	per No.	99.02	8.78
	INDIRECT COST								15%	14. 85	1.32
	TOTAL									114	10.10

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

4C0201

FC: YEN

Truck crane 16t per day

LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material								e e		
	Fuel & Lubricant	lr.	232.00	0	0.33					. 0	77
	Others	L.S.	1	0	0.00		٠.			. 0	0
	Sub Total			. *				٠		0	77
							* * .				
2	Labor		ž.								
	Operator	man. day	1			0	33. 00	1.		. 0	33
	Others	L. S.	1		-	0	0.00			0	0
	Sub Total									0	33
									1		
3 3	Equipment										
	Truck with crane 8t	day	1					9480	0	9, 480	0
	Sub Total									9, 480	. 0
	Total									9, 480	110

Fuel & Lubricant: 230ps x 0.11 x 4 x 1.05

100ps x 0.2 x 6 x 1.05

APPENDIX-3. EQUIPMENT COST

*LA UNION PORT DEVELOPMENT PROJECT

4C0201

FC: YEN

LC: US\$

Truck 8t per day

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	unt
,				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	233.00	0	0.33					0	77
•	Others	L. S.	1	0	3.00			4 N		o	3
1 ,	Sub Total									. 0	80
	·							. '			
- 2	Labor							-			
	Operator	man. day	1			0	33.00			0	33
	Others	L.S.	1			0	0.00	April 1		0	0
	Sub Total	-								. 0	33
								*.			
3	Equipment										
-	Truck 8t	day	. 1					3480	0	3, 480	0
	Sub Total					••				3, 480	0
]								
	Total						4			3, 480	113
				·							

Fuel & Lubricant: 253ps x 0.11 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

4C0201

FC: YEN

LC: US\$

Dump truck 10t per day

No	Work Item	i da		Quantity			Bas	sic Price			Unit	Cost
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Material		Labor		Equipment		Amount	
•		. :			FC	LC	FC	LC	FC	LC	FC	LC
1	Material								. !			
	Fuel & Lubricant		lr.	309.00	0	0. 33		,			0	102
	Others		L. S.	1	0	3.00					. 0	. 3
	Sub Total						: :				0	105
	000 10001								· ·			
. 0	Labor											
2	* *		man. day	1			. 0	33.00			0	33
	Operator		L. S.	,			0	0.00			0	0
	Others		L. J.	1	1		•				0	33
	Sub Total					}						
											·	
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	Total										6,720	138
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Fuel & Lubricant: 335ps x 0.11 x 8 x 1.05