LA UNION PORT DEVELOPMENT PROJECT

4C0201

Generator 45KVA per day

FC: YEN LC: US\$

	Generator 45KVA per	uay									
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						1				
	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		4	0	0
	Sub Total									0.1	33
										· · · ·	
3	Equipment										
	Generator 45KVA	day	1					1080	0	1,080	0
	Sub Total									1,080	0
· ·							•	н 		н	
	Total									1, 080	57
						а. а. С	·				

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

LA UNION PORT DEVELOPMENT PROJECT

4C0201

283

FC: YEN

Backhoe 0.8 m3 per day

LC: US\$

No	Work Item		Quantity			Bas	sic Príce			Unit	Cost
NO	WOIK Item	- On I U	dullio 10,	Mate	rial		abor	Equip	nent	Ато	unt
		-		FC	LC	FC	LC	FC	LC	FC	LC
1	Material					·	-				
	Fuel & Lubricant	lr.	283.00	0	0.33	н. - н				. 0	93
	Others	L. S.	. 1	0	2.00					0	2
	Sub Total									0	95
						· · ·	1. A A A A A A A A A A A A A A A A A A A				
	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	• 1			0				0	0
	Sub Total									0	33
	3 Equipment										
	Backhoe 0.8m3	day	1					11280	0	11, 280	0
	Sub Total						ļ			11, 280	0
							and the second				
	Total	· ·				· ·	ļ		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	11, 280	128
				- -			· .				

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

LA UNION PORT DEVELOPMENT PROJECT

4C0201

FC: YEN

	Tire roller 8-20t per	day			· · ·	- <sup>1</sup>	LC: US\$	an a			
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
!				Mate.	rial	L	abor	Equip	ment	Ато	unt
				FC .	LC	FC	LC	FC	LC	FC	LC
1	Material							· .			
	Fuel & Lubricant	lr.	161.00	0	0.33					0	53
	Others	L. S.	1	0	2.00					0	2
	Sub Total									0	55
								· · ·			
2	Labor										
E .	Operator	man.day	1	·. ·		0	33.00			0	33
1	Others	L. S.	I			· 0	0,00			0	0
1	Sub Total						· · ·			0	33
. 3	Equipment										
1	Tire roller 8-20t	day	1					3360	· 0	3, 360	. 0
1	Sub Total			- · ·	· · · ·					3, 360	0
	Total			·					an an Araba An Araba	3, 360	88
. 1		· .						ан Алар			

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

LA UNION PORT DEVELOPMENT PROJECT

4C0201

285

FC: YEN

Tampa 60-100kg per da	y a se		2 - P - 1			LC: US\$	·	·		
and the second		Quantity			Ba	sic Price			- Unit	Cost
			Mate	rial	L	abor	Equip	ment	Amo	unt
		·	FC	LC	FC	LC	FC	LC	FC -	LC
Material					,					
Fuel & Lubricant	lr.	5.00	0	0. 33					· 0	2
Others	L. S.	. 1	0	0.00					· 0	0
Sub Total			·						0	2
Labor										
Operator	man. day	· 1			0	33.00			0	33
Others	L. S.	$1 \leq 1$			. 0	0.00			. • 0	0
Sub Total									0	- 33
Equipment										
	day	1					212.4	. C	212.40	0
								1	212.40	0
· · · · · · · · · · · · · · · · · · ·										
Total									212.40	35
	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others	Work ItemUnitMaterialIr.Fuel & LubricantIr.DthersL. S.Sub Totalman. dayDeratorman. dayDthersL. S.Sub TotaldayEquipmentfampaSub Totalday	Work ItemUnitQuantityMaterialIr.QuantityFuel & LubricantIr.5.00DthersL. S.1Sub Totalman. day1Deperatorman. day1DthersL. S.1Sub Totalday1Equipmentday1Sub Totalday1	Work ItemUnitQuantityMaterialFCAaterialIr.Fuel & LubricantIr.DthersL. S.Sub TotalLaborDeratorDthersSub TotalSub TotalEquipmentGaupmentSub TotalSub Total	Work ItemUnitQuantityMaterialFCLCMaterialIr.5.0000.33Puel & LubricantIr.5.0000.33OthersL. S.100.00Sub Totalman. day11Laborman. day1Deratorman. day1Sub Totalday1Sub Totalday1	Work ItemUnitQuantityBaMaterialLFCLCFCLCFCL. CSub TotalIr.L. S.1L. S.1Deperatorman. dayDthersL. S.Sub TotalSub TotalSub TotalSub TotalSub TotalSub TotalSub Total	Work ItemUnitQuantityBasic PriceMaterialLaborMaterialLaborFCLCFCLCfaterialIr.5.0000.33Fuel & LubricantIr.5.0000.33OthersL. S.100.00Sub Totalman. day1033.00Operatorman. day100Sub TotalL. S.100.00Sub Totalday100.00Sub Total1100.00	Work ItemUnitQuantityBasic PriceMaterialLaborEquipFCLCFCLCMaterialIr.5.000Sub LubricantIr.5.0000.33OthersL. S.100.00Sub Totalman. day1033.00Operatorman. day100.00Sub TotalL. S.100.00Sub Totalday100.00Sub Totalday100.00Sub Total0100.00	Work ItemUnitQuantityBasic PriceMaterialImage: FCLaborEquipmentAaterialIr.5.0000.33Sub LotalIr.5.0100.00Sub TotalImage: Sub TotalImage: Sub Total00.00Sub TotalImage: Sub TotalImage: Sub TotalImage: Sub TotalSub TotalImage: Sub TotalImage: Sub TotalImage: Sub Total	Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmoAterialAutorialIr.5.0000.33AutorialIrSub TotalAutorialAutorialAutorialAutorialAutorialAutorialAutorialAutorialAutorialAutorialAutorialAutoriaAutoriaAutoriaAutoria

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

LA UNION PORT DEVELOPMENT PROJECT

4C0201

286

Concrete Mixer 0.6m3 per day

FC: YEN

	CONCLECE MIXEL 0.0000 p	or day									
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	erial		abor	Equip	ment	Amo	ount
	· · ·			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									. O	0
											- -
2	Labor			· .							
	Operator	man. day	1			Ő '	33.00			0	33
•	Others	L. S.	1	۰.		0	0.00			0	0
	Sub Total									- 0	. 33
3	Equipment										
	Concrete Mixer 0.6m3	day	· 1	· . • .				6480	· 0	6, 480. 00	0
	Sub Total				-		· · ·			6, 480. 00	0
	Total									6, 480. 00	33

4C0201-8

4C0202

GREASE TRAP

#### FC: YEN

LC: US\$ Total estimate for 15 Nos

No	Work Item	Unit	Quantity	Basic	Price	Unit Cost		
110				t in	a de la companya de la	Amoun	t	
			-	FC	· · LC	FC	LC	
4C020201	Excavation & Disposal	Nos.	15	189. 52	3. 21	2, 843	48.14	
4C020202	Crushed Stone for Foundation	Nos.	15	44. 05	1.36	661	. 20.36	
4C020203	Lean Concrete	Nos.	15	29. 44	3. 93	442	59.01	
4C020204	Reinforcement	Nos.	15	1, 423. 24	83.96	21, 349	1, 259. 44	
4C020205	Corner Angle	Nos.	15	914. 94	60.18	13, 724	902.77	
4C020206	Concrete Placing	Nos.	15	158.24	176.79	2, 374	2, 651. 86	
4C020207	Backfill Sand & Compaction	Nos.	15	56.93	5.45	854	81.82	
· · ·	Total			1997 - A.		42, 246	5,023.40	
		. <b>1</b>	•	Unit Price per No	•	2, 816	334. 89	

4C020201

Excavation & Disposal for Manhole

## LC: US\$

FC: YEN

#### Total estimate for 15 Nos

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Amo	ount
۰.				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Excavation sand	m3	24. 58	0	0.00					0	0
	Fuel Backhoe 0.8m3	day	0.1	0	95					0	10
	" Dump truck 10t	day	0. 20	0	<sup>5</sup> 105					0	21
	Sub Total									0	- 31
2	Labor										
	Foreman	man. day				. 0	38.20		1997 - 1997 1997 - 1997 - 1997	0	. 0
	Labor	man. day	··· 0.1			. 0	14.30			01	. 1
	Backhoe 0.8m3	man. day	0.1			· · · · 0	33			0	· 3
	Dump truck 10t	man. day	0.20			· 0 ·	33			· 0	. 7
	Sub Total									0	11
3	Equipment	- 									
	Backhoe 0.8m3	day	0.1	•				11, 280	0	1, 128	0
	Dump truck 10t	day	0.20					6, 720	. 0	1, 344	0
	Sub Total				1					2, 472	:::
		·	· · · · · · · · · · · · · · · · · · ·		· .			Total	· .	2, 472	42
:				· · ·				Unit Price p	oer No.	164.80	2. 79
	INDIRECT COST								15%	24. 72	0.42
	TOTAL					· · ·		t and a second	· · · ·	- 190	3. 21

	4C020202							FC: YEN			an a	
	Crushed stone for Found	ation c	of Manhole	9				LC: US\$			Total estimat	
No	Work Item	Unit	Quantity	·			Basi	ic Price			Unit	
1.1				1.1.1.1	Mat	erial	L	abor	- Equip	ment	. Amo	
				FC		LC	FC	LC	FC	LC	FC	LC
1	Material			· . · .								1 .1
	Crushed stone	m3	1. 33		0	5.16					0	6.86
	Wasted crushed stone (25%)	m3	: 0. 33		0	5.16					0	1.72
·.	Fuel Backhoe 0.8m3	day	0.05		0	95					0	4.77
н <sup>2</sup> .	" Tampa 60kg	day	0.05		0	2		· .			0	0,08
	Sub Total			· .							. 0	13.43
- 2	Labor											
	Foreman	man. day	0.05				0	38.20			0	1.91
	Labor	man. day	0.05				o	14.30			0	0.72
•	Backhoe 0.8m3	man. day	0.05				0	33			0	1.65
1.	Sub Total					ļ					0	4. 28
	Equipment						1 	1997) 1997)				
· .	Backhoe 0.8m3	day	0.05					· · ·	11, 280	0	564.00	
	Tampa 60kg	day	0.05						212.40	0	10.62	
	Sub Total										575	
			- <b>-</b>						Total		575	18
		·	•						Unit Price	per No.	38.31	1.18
	INDIRECT COST									15%	5.75	0.18
<u> </u>	TOTAL					· · ·			.*		44	1.36

LA UNION PORT DEVELOPMENT PROJECT

4020203

### FC: YEN LC: US\$

	Lean Concrete						LC: US\$			Total estima	te for 15Nos
No	Work Item	Unit	Quantity	· · ·	· · · · ·	Basi	ic Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Ато	unt
		1		FC	LC	FC	LC en	FC	LC	FC	LC
1	Material										
	Ready mixed concrete	m3	0.67	0	65.00					0	. 44
	Wasted concrete(1.5%)	m3	0. 01	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	. 1
1. A.	Sub Total									• 0	45
· 2	Labor		and an and a second sec								
	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		4 	. 0	33			0	2
	Generator 45KVA	day	. 0. 05				33			0	2
	Sub Total	· · · ·							•		6
3	Equipment								an an an an Arris. An Arrista		
	Concrete mixer 0.6m3	day	0.05	e Letter e	di seri di seri			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
		L		<b>_</b>		J	<b>-</b>	Total		384	51
1.				• • • • • • •	1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1			Unit Price p	er No.	25.60	3. 42
	INDIRECT COST				··. ·· ·.				15%	3.84	0. 51
· ·	TOTAL			· ·						29	3. 93

4C020204 Reignforcement FC: YEN LC: US\$

Total estimate for 15 Nos

No	· Work Item	Unit	Quantity	 				Basi	c Pi	rice			Unit	Cost
	· · · · · · · · · · · · · · · · · · ·			 Mat	teria	al	1	L	abor		Equip	ment	Amo	unt
1		· :		FC	1.1	LC	F	С		LC	FC	LC	FC	LC ×
]	Wasted steel bar(1.5%) Fuel Truck crane 16t * Truck 8t	kg kg day day	1277.00 19.16 1.3 1.3	0 0 0		0. 3 0. 3 77 80	6						0 0 0	460 7 100 104 31
	Sub Total 2 Labor Foreman Labor Welder Truck crane 16t	day man, day man, day man, day man, day	1.3 1.3 1.3	.0		24		0		38. 20 14. 30 23. 09 33 33			0	31 701 50 186 30 43 43 43
	Sub Total Bequipment Truck crane 16t Truck 8t Generator 45KVA Bar cutter	man. day day day day day day	1.3 1.3 1.3 1.3 1.3 1.3 1.3					0		33	9, 480 3, 480 1, 080 120 120	1.11	0 0 12324 4,524 1,404 156 156 18,564	394 0 0 0 0 0 0 0 0 0 0 0 0 0 0
, 	INDIRECT COST										Total Unit Price	per No. 15%	18, 564 1, 237. 60 185. 64 1, 423	1, 095 73. 01 10. 95 83. 96

4C020205

FC: YEN

Corner Angle for Manhole

LC: US\$

Total estimate for 15 Nos

No	Work Item	Unit	Quantity				Basi	.c Price		1.1	· · · ·	Unit	Cost
				Ma	aterial		L	abor		Equip	ment	Ат	ount
1				FC	LC		FC	LC		FC	LC	FC	LC
1	Material	- 1						· ·					
	Coner angle	kg	172.65		0 0	. 36							62
	Wasted corner angle(2%)	kg	3, 45		0 0	. 36							) - I
	Miscellaneous	Ł. S.	1		0 1	. 27						(	1
l	Fuel Truck St	day	2.5		0	80						· · · · (	200
	" Generator 45KVA	day	2, 50		0	24				• •			59
}	Sub Total	1										(	324
2	Labor						· · ·						
1	Foreman	man. day	2.5				0	38	. 20			0	96
	Labor	man. day	10	· .			0	14	. 30			0	143
l .	Welder	man. day	2.5				0	23	. 09			·. 0	58
	Truck St	man. day	2.5				0		33			- i - 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	· 0
	Welder 300A	day	2.5					- 		120	° °	300	0
	Other equipment	L. S.	1							234	C C	234	0
	Sub Total					· .					· · ·	11, 934	· 0
				· .			••		. ]	fotal		- 11, 934	785
· · ·		· · · · ·					·		·· [	Jnit Price p	ber No.	795, 60	52. 33
	INDIRECT COST										15%	119.34	7, 85
	TOTAL										1	915	60.18

	1817 01	DODT	DEVELOPHENT	DROTECT
LA.	UNION	PORT	DEVELOPMENT	PRUIDUI

•							1997 - 19										
					. •	<u>.</u>		·. ·									
											an di Tanàna Managarana			÷	$(x_{i})_{i\in \mathbb{N}} = (x_{i})_{i\in \mathbb{N}}$		
		LA UNION PORT DEVELOPME	NT PROJ	ECT		·		the second									
		4C020206		2				FC: YEN								÷	
		Concrete Placing		the second				LC: US\$		· · · ·	Total estimat				5 T		
	No	• Work Item	Unit	Quantity				ic Price				Cost		1990 - 1990 -	· · · ·		
					Ма	terial		abor	Equip		<u> </u>	ount					
					FC	LC	FC -	LC	FC	LC	FC	LC	1				
		l Material				·		н н. с.									
		Cover for manhole	Nos	- 15.00	(	100.00				ан са се	0	1,500			÷ .		
		Ready mixed concrete	m3	4.20		0 70.00					. 0	294		÷.,			
· .	- 5	Wasted concrete(5%)	m3	0.21		0 70.00					. 0	15					
		Formwork	m2	83, 00	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0 5.50					0	457	•				
		Fuel Truck crane 16t	day	0.1		0 77	[ ·			· · · ·	0	8					
		Concrete mixer 0.6m3	day	0, 1	· .	0 0					0	. 0					
		" : Generator 45KVA	day	0. 1	. (	0 24	i .		1. A.		0	2			;		
		" Truck St	day	0.1		0 . 80			·		0	. 8					
		Sub Total	1								- 0	2, 283					
		2 Labor													÷		
		Foreman	man. day	0.1	•			38.20			0	4					
- 		Labor	man. day	0.4				14.30			- 0	6					
		Truck crane 16t	man. day	0.1			0	33			0	3					
		Concrete mixer 0.6m3	man. day	0.1			- Q	33			0	3					
		Generator 45KVA	man. day	0.1		1	0	33			0	3					
		Truck St	man, day	0.1			0	33			0	3					
		Sub Total									0	23					
	;	3 Equipment				.1	1										
		Truck crane 16t	day	0.1		1	1		9, 480	0		. 0					
		Concrete mixer 0.6m3	day	0.1					6, 480	. 0	1	0	•				
		Generator 45KVA	day	0.1					1, 080	. 0	1	. 0					
	·	Truck St	day	0.1			1.		3, 480	0	1	0					
		Vibrator	day	0.1					120	• • • • • •	12	0					
		Sub Total	<u> </u>		<u> </u>		1		<u> </u>		2,064	0					
									Total		2,064						
									Unit Price p		137.60	153.73					
		INDIRECT COST								15%		23.06					
		TOTAL									158	176. 79					

40020207

Backfill sand & Compaction

### FC: YEN LC: US\$

Total estimate for 15 Nos

No	Work Item	Unit	Quantity	· · · · · · · · · · · · · · · · · · ·		Ва	sic Price			Unit	: Cost
				Mate	rial	I	.abor	Equip	ment	Am	ount
-				FC	LC	FC	LC ·	FC	LC	FC	LC
1	Material										
	Backfill sand	m3 .	. 11. 38	0	4.00					0	46
	Wasted Backfill sand (25%)	m3 -	2. 85	0	4. 00					. 0	11
	Fuel Backhoe 0.8m3	day	0.05	0	95		i.			0	5
	" Tire roller 8-20t	day	0.05	0	55				· ·	. 0	· 3
	" Tampa 60kg	day	0. 05	0	. 2					0	0
	Sub Total									0	65
2	Labor										
	Foreman	man, day	0.05			0	38.20			0	2
	Labor	man. day	. 0.1	· .		0	14. 30			0	. 1
	Backhoe 0.8m3	man. day	0. 05		Ĩ	0	33			0	. 2
	Tire roller 8-20t	man. day	0.05			÷ 0	33			0	2
· · ·	Sub Total			· · ·						0	- 7
ું 3	Equipment			·		÷ 1					
	Backhoe 0.8m3	day	0, 05			н н		11, 280	0	564	. 0
	Tire roller 8-20t	day	0.05					3, 360	. 0	168	0
	Tampa 60kg	day	0.05					212	0	- 11	. 0
	Sub Total	1997) 1997)								743	0
					4		and the g	Total		743	71
		•		<u> </u>				Unit Price p	per No.	49. 51	4.74
	INDIRECT COST					· .			15%	7.43	0.71
	TOTAL					· .				57	5.45

LA UNION PORT DEVELOPMENT PROJECT

4C0202

295

FC: YEN

Truck crane 16t per day

LC: US\$

	fruck crane lot per d	ay					200 000				
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	nent	Amo	unt
				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			O	0
	Sub Total									. 0	33
3	Equipment										
	Truck with crane 8t	day	1					9480	0	9, 480	0
	Sub Total									9, 480	0
	Total									9, 480	110
						-					
<i>.</i>		4			d					A	

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

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C0202

FC: YEN

Truck 8t per day						LC: US\$				·
No Work Item	Unit	Quantity	· · ·		Ba	sic Price			Unit	Cost
		ana ang sa	Ma	terial	· L	abor	Equip	ment	Amo	unt
			FC	LC	FC	LC	FC	LC	FC	LC
l Material			-			12				
Fuel & Lubricant	1 <b>r</b> .	233.00		0 0.33	· · .				- <sup>-</sup> 0	. 77
Others	L. S.	1		0 3.00					0	3
Sub Total			•						0	80
2 Labor			. *							
Operator	man. day	1			Ó	33.00			0	33
Others	L. S.	1			0	0.00			. 0	0
Sub Total									0	. 33
						1. · · ·				4 
3 Equipment										
Truck 8t	day	. 1					3480	0	3, 480	(
Sub Total									3, 480	c
000 10 tat										
									3, 480	113
Total							the second		0, 200	
1	1			1			{ ·		·	

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

LA UNION PORT DEVELOPMENT PROJECT

4C0202

297

FC: YEN LC: US\$

Dump truck 10t per day

No	Work Item		Quantity			Bas	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Атс	unt
				FC	LC	FC	es LC es es	FC	LC E	FC	LC
1	Material				1.4						
• •	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	1 *		. 0	33
	Others	L, S.	1			0	0.00			. 0	0
	Sub Total									. 0	33
3	Equipment										
	Dump truck 10t	day	1					6720	0		0
ана (р. 1997) 1919 - Прекорски (р. 1997) 1919 - Прекорски (р. 1997)	Sub Total						ν.			6,720	0
1					· ·	· ·					
	Total									6, 720	138

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

LA UNION PORT DEVELOPMENT PROJECT

400202

FC: YEN

	100000										
	Generator 45KVA per o	lay					LC: US\$	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	· I	abor	Equip	ment	Ame	ount
				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	(
	Sub Total									0	24
2	Labor										
	Operator	man. day	. 1			. 0	33.00			. 0	3:
	Others	L. S.	· · · · · · · · · · · · · · · · · · ·			0	0.00			0	
	Sub Total						1944 - Alexandria (1944) 1947 - Alexandria (1944) 1947 - Alexandria (1944)			0	3
3	Equipment						·	1			
	Generator 45KVA	day	1					1080	, c	1, 080	
1. C. C.	Sub Total									1, 080	
•	545 10141										
	Total									1,080	51
	10 P(11										

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

LA UNION PORT DEVELOPMENT PROJECT

4C0202

299

FC: YEN

Backhoe 0.8 m3 per day

LC: US\$

No	Work Item		Quantity			Bas	sic Price			Unit	Cost
• • -				Mate	rial	L	abor	Equip	nent	Ато	unt
	· · · · ·			FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	283.00	0	0, 33					. O	93
	Others	L. S.		0	2.00		All and the second second			0	2
	Sub Total	·								0	95
							1				
5	Labor										
	Operator	man. day	. 1	·		0	33.00			0	33
	Others	L.S.				· · · 0	0.00			0	0
	Sub Total	0.0.								. 0	33
	Sub lotal					-					
									-		
	Equipment							11280	0	11, 280	0
	Backhoe 0.8m3	day	1							11, 280	0
	Sub Total									,	
										11, 280	128
	Total									11,200	120
-		<u> </u>			<u> </u>	·	l			L	

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

LA UNION PORT DEVELOPMENT PROJECT

4C0202

300

FC: YEN

	Tire	roller	8-20t	per	day		
[		Work	Ttom		Unit	Quantity	Γ

	· · · ·
LC:	US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Ато	unt
				FC	LC	FC	LC .	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	161.00	. 0	0.33					0	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,	O*
	Sub Total		1 × 1							<u>)</u> 0	33
		1.11									
· 3	Equipment										
	Tire roller 8-20t	day	. 1			:		3360	<b>0</b>	3, 360	. O
	Sub Total									. 3, 360	
		•									
	Total									. 3, 360	- 88
				14 A.							

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

# LA UNION PORT DEVELOPMENT PROJECT

4C0202

301

FC: YEN LC: US\$

Tampa	60-100kg	per	day

No	Work Item	Unit	Quantity		· · ·	Bas	sic Price			. Unit	Cost
				Mate	rial	L	abor	Equip	nent	Amo	unt
				FC	LC	FC	LC	FC -	LC	FC ·	LC ·
-1	Material		<u>1</u>								
	Fuel & Lubricant	lr.	5.00	0	0.33			a di tangén k	$\mathcal{T}_{\mathcal{A}} = \mathcal{T}_{\mathcal{A}}$	i. 0	2
	Others	L. S.	1	· 0	0.00					0	0
	Sub Total									0	2
2	Labor										
1		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									212. 40	· 0
								.  -			
	Total									212.40	- 35
1				1		{					

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

LA UNION PORT DEVELOPMENT PROJECT

4C0202

302

Concrete Mixer 0.6m3 per day

FC: YEN

LC: US\$

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 3	Material										
F	uel & Lubricant	lr.	0	0	0.33					0	0
d	Others	L. S.	1	0	0.00					0	0
5	Sub Total							· .		. 0	0
21	abor										
Ċ	)perator	man, day	1			· 0	33.00			0	33
	Others	L. S.	- 1			0	0.00			0	. 0
5	Sub Total									0	33
3 E	Equipment					-	· · ·		21		
C	Concrete Mixer 0.6m3	day	· 1					6480	· 0	6, 480. 00	0
. s	Sub Total						н н Н			6, 480. 00	. 0
·		· .									:
. 1	fotal									6, 480. 00	33
		· ·			· .						· . ·

,

4C0301

Catch Basin

FC: YEN LC: US\$

Total estimate for 15 Nos

No	Work Item	Unit	Quantity	Basic Pr	ice	Unit Co	st
						Amount	
				FC	LC	FC ·	LC
4C030101	Excavation & Disposal	Nos.	15	379.04	6.42	5, 686	96. 28
40030102	Crushed Stone for Foundation	Nos.	15	88.11	2.85	1,322	42.80
4C030103	Lean Concrete	Nos.	15	58.88	8.64	883	129. 54
40030104	Reinforcement	Nos.	15	2, 737. 00	164. 95	41, 055	2, 474. 20
4C030105	Corner Angle	Nos.	15	914. 94	62.09	13, 724	931.35
4C030106	Concrete Placing	Nos.	15	949. 44	358.19	14, 242	5, 372. 88
40030107	Backfill Sand & Compaction	Nos.	15	113.87	8.55	1, 708	128.22
	Total					78,619	9, 175. 27
		./,		Unit Price per No.		5, 241	611.68

4C030101

Excavation & Disposal for Manhole

### FC: YEN LC: US\$

.

Total estimate for 15 Nos

No	Work Item	Unit	Quantity		·	Bas	sic Price			Unit	Cost
- ·				Mate	rial	La	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
· 1	Material	ĺ									
	Excavation sand	m3	49.2	0	0.00					.0	0
	Fuel Backhoe 0.8m3	day	0.2	· · 0	95					0	19
	" Dump truck 10t	day	0.40	0	105		. *			. 0	42
	Sub Total									. · · · 0	61
2	Labor										
	Foreman	man. day				0	38.20			0	0
	Labor	man. day	0.2			· 0	14.30	· ·		0	3
	Backhoe 0.8m3	man. day	0.2			0	33			0	- 7
	Dump truck 10t	man. day	0. 40			· 0	33			<u>,</u> 10	13
	Sub Total									. 0	23
3	Equipment										
	Backhoe 0.8m3	day	0.2					11, 280	0	2, 256	0
	Dump truck 10t	day	0.40					6, 720	· 0	2, 688	0
	Sub Total									4, 944	. 0
								Total		4, 944	84
						· · · ·	· · · ·	Unit Price p	per No.	329.60	5, 58
	INDIRECT COST						t i star	· · · ·	15%	49.44	0.84
	TOTAL			· · ·	.*					379	6.42

• 40030102

Crushed stone for Foundation of Manhole

FC: YEN LC: US\$

Total estimate for 15 Nos

No Work Item		Quantity			Basi	ic Price			Unit	Cost
				erial	L L	abor	Equip	ment	Amoi	int
			FC	LC	FC	LC a	FC	LC	FC	" LC
l Material						n Angeler and				
Crushed stone	m3	2.94	0 1	5.16		· · ·			0	15.17
Wasted crushed stone (	25%) m3	0.74	0	5.16					0	3. 79
Fuel Backhoe 0.8m3	day	0.1	0	95					0	9.54
" Tampa 60kg	day	0.10	0	2					0	0.17
Sub Total									0	28.67`
2 Labor										
Foreman	man. day	0.1	1.0		0	38.20			0	3.82
Labor	man. day	1 · · ·			0	14.30	ľ		· 0	1. 43
	man. day					33			0	3.30
Backhoe 0.8m3	man. uay								. 0	8.55
Sub Total										
3 Equipment							11, 280	0	1,128.00	o
Backhoe 0.8m3	day	0.1					212. 40	0	21.24	. 0
Tampa 60kg	day	0.1					414.40			0
Sub Total		<u> </u>			l				1, 149	
							Total		1, 149	37
				. <u></u>		· .	Unit Price		76.62	2.48
INDIRECT COST					44 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -			15%		0.37
TOTAL	÷.,							·	88	2.85

4C030103

Lean Concrete

FC: YEN LC: US\$

Total estimate for 15Nos

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
			a di Kara	Ma	terial	· L	abor	Equip	ment	Ámo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material				· · ·						
	Ready mixed concrete	m3	1. 47	0	65.00					. ' 0	96
	Wasted concrete(1.5%)	m3 -	0.02	0	65.00					0	1
	Fuel Concrete mixer 0.6m3	day	0.10	0	0					0	0
	" Generator 45KVA	day	0.10	. 0	24					0	2
	Sub Total										99
2	Labor										
	Foreman	man. day	0.10			0	38. 20			0	4
:.	Labor	man. day	0.20			0	14.30			0	3
	Concrete mixer 0.6m3	day	0.10			· • • •	33			· 0	3
	Generator 45KVA	day	0.10			0	33			· 0·	3
•	Sub Total									. 0	13
3	Equipment										
	Concrete mixer 0.6m3	day	<sup>°</sup> 0; 10	а 14 г. – С. –			ta ta si	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.
	1		• • • • • • • •		•	• • • •		Total		768	113
			ej ere s		an di s			Unit Price p	ber No.	51.20	7.51
ч. 1	INDIRECT COST			· · ·		•••			15%	7.68	1.13
	TOTAL					· .					8.64

and the state of the second second second second second				
	${\mathcal C} = {\mathcal C}$	- 11 N.C.	•	

4C030104

FC: YEN

4C030104				·		FC: YEN LC: US\$			Total estimat	e for 15 No
Reignforcement No Work Item	Unit	Quantity		· · · · · ·		c Price			Unit	
No Work Item	Onic	Wudnerey		aterial		abor	Equip	ient	. Amor	int
and a second			FC	LC	FC	LC	FC	LC	FC	LC
l Material						· · ·				
Reinforcement bar	kg	2580.00		0 0.30	3				0	929
Wasted steel bar(1.5%)	kg	38. 70		0 0.3	β.		а. А.		· 0	14
Fuel Truck crane 16t	day	2, 5		0 77					0	191
" Truck St	day	2.5		0 80					0	200
Generator 45KVA	day	3		0 24		ĺ			0	59
Sub Total									0	1, 393
2 Labor			· ·							
Foreman	man. day	2.5			. 0	38. 20			· 0	96
Labor	man. day	25			0	14.30			0	358
Welder	man. day	2.5			0	23. 09			0	58
Truck crane 16t	man. day	2.5			· · · 0	33	н. Тарана Тарана		0	- 83
Truck St	man. day	2.5			0	33			0	83
Generator 45KVA	man, day	2.5			0	33			. O	83
Sub Total			1.						0	758
3 Equipment										
Truck crane 16t	day	2.5					9, 480	0	23700	
Truck 8t	day	2.5					3, 480	. 0	· · 8, 700	
Generator 45KVA	day	2.5					1, 080	0	2, 700	
Bar cutter	day	2.5	;				120	. <b>O</b>	300	
Bar bender	day	2.5					120	0	300	
Sub Total								·	35, 700	
	. <u>.</u>		1	<b>_</b>		· · · · · · · · · · · · · · · · · · ·	Total		35, 700	2, 15
							Unit Price	per No.	2, 380. 00	143.4
· INDIRECT COST								15%	357.00	21. 5
TCTAL									2, 737	164.95

4C030105

Corner Angle for Manhole

LC: US\$

FC: YEN

Total estimate for 15 Nos

No	Work Item	Unit	Quantity	<del></del>		Bas	ic Price	1	and the second	Unit	Cost
				Mat	terial	L	abor	Equip	ment	Amo	ount
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Coner angle	kg	239.00	. 0	0.36	4.5				0	86
	Wasted corner angle(2%)	kg	4.78	0	0.36					0	2
	Miscellaneous	L. S.	1	0	1.76		· · · ·			0	2
	Fuel Truck 8t	day	2.5	0	- 80					. 0	- 200
	" Generator 45KVA	day	2. 50	0	24					0	59
	Sub Total							а. 1		0	349
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			· 0.	23. 09			. 0	58
	Truck St	man. day	2.5		· · · ·	0	33			. 0	83
	Generator 45KVA	man. day	2.5	5	Alternation	· .0	33			0	83
	Sub Total	1.						· ·		0	461
. 3	Equipment										
	Truck St	day	2.5					3, 480	0	8, 700	0
а — 1	Generator 45KVA	day	2.5		4. 			1,080	. 0	2, 700	. 0
	Welder 300A	day	2.5					120	. 0	300	0
	Other equipment	L. S.	1					234	0	234	0
	Sub Total									11, 934	0
								Total	r.	11, 934	810
•			·					Unit Price r	er No.	795. 60	53.99
	INDIRECT COST				·				15%		8.10
	TOTAL					1. A. A.				915	62.09

		·										· ·			
•															
					• .•									·	
									· · ·						
	LA UNION PORT DEVELOP	IENT PROJ	ECT												
	4C030106				. *		FC: YEN	· · ·							
	Concrete Placing			· .			LC: US\$			Total estimat					
[	No Work Item	Unit	Quantity			Bas	ic Price	$f_{i,j} = - f_{i,j}$		Unit	Cost				
				Mat	erial	L	abor	Equip	ement		unt				
				FC	LC	FC	LC	FC	LC	FC	LC		-		
	1 Material													5	
	Cover for manhole	Nos	15.00	0	147.00					. 0	2, 205				
	Ready mixed concrete	m3	`14.00	0	70.00					0	980				
	Wasted concrete(5%)	m3 .	0,70	0	70.00	т.				0	49				
	Formwork	m2	217.00	. 0	5.50			l .		. 0	1, 194				
	Fuel Truck crane 16t	day	0.6	0	77					· 0	46				
	" Concrete mixer 0.6	o3 day	0.6	. 0	· 0		•			0	0	· · ·			
	Generator 45KVA	day	0,6	. 0	. 24					0	14				
	" Truck St	day	0.6	0	80					0	48				
1997 - 1997 1997 - 1997 1997 - 1997	Sub Total				· ·	2	1.1.1.1			0	4, 536				
	2 Labor			1											
	Foreman	man. day	0.6			c	38.20			0	23				
	Labor	man. day	2.4			- 0	14.30			0	34				
	Truck crane 16t	man. day	0.6			. 0	. 33		]	0	20				
	Concrete mixer 0.6m3	man. day	0.6			. i o	33			. 0	20				
	Generator 45KVA	man. day	0.6			0	33		· · ·	0	. 20				
	Truck St	man. day	0.6			0	33			0	. 20				
	Sub Total									0	136				
	3 Equipment						1								
	Truck crane 16t	day	0.6					9, 480	0	5688	0				
	Concrete mixer 0.6m3	day	0.6	· ·	1			6, 480	0	3, 888	C				
	Generator 45KVA	day	0.6					1, 080	0	648	C				
	Truck St	day	0.6					3, 480	0	2, 088	. c				
	Vibrator	day	0.6	1			ľ	120	0	- 72	. C	1			
•	Sub Total									12, 384					
		· · · ·						Total		12, 384	4,672				
		•					• •	Unit Price		825.60	311.47	4			
	INDIRECT COST								15%		46.72	1 . 1			
	TOTAL									949	358.19	<u>!</u>			
	•														

4C030107

Backfill sand & Compaction

FC: YEN LC: US**\$** 

Total estimate for 15 Nos

No		Unit	Quantity			Ba	sic Price			Unit	: Cost
				Mate	rial	· L	abor	Equip	ment	Am	ount
	(a,b) = (a,b) + (a,b) + (a,b) + (b,b) + (b,b			FC	LC	FC	LC	FC	LC	FC	LC
1	Material				-						
	Backfill sand	m3	16.6	0	4. 00		·			0	66
	Wasted Backfill sand (25%)	m3	4. 15	· 0	4.00				· ·	0	. 17
	Fuel Backhoe 0.8m3	day	0.1	0	95					0	10
1	" Tire roller 8-20t	day -	0.1	0	55					0	<del>6</del>
	" Tampa 60kg	day	0. 1	0	2					0	0
	Sub Total					1.				0	98 -
2	Labor										
	Foreman	man.day	0.1			0	38.20	· .		0	4
	Labor	man. day	0.2			. <u> </u>	14.30	· ·		• 0	3
	Backhoe 0.8m3	man. day	0.1			01	33			0	3
· .	Tire roller 8-20t	man. day	0.1			. 0	33			- 0	. · 3
	Sub Total	· ·								0	13
3	Equipment										
	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	•				212	0	21	0
	Sub Total								1	1, 485	· 0
	······································							Total	· .	1, 485	111
					м			Unit Price p	per No.	99.02	7.43
	INDIRECT COST		· .						15%	14.85	- 1.11
	TOTAL									114	8.55

LA UNION PORT DEVELOPMENT PROJECT

4C0301

311

FC: YEN 10. 1154

Vo Work Item	Unit	Quantity	s1.1		Ba	sic Price			Unit	Cost
	· · ·		Mate	rial	Ļ	abor	Equip	ment	Amo	unt
			FC	LC	FC	na o LC	FC	LC	FC -	LC
1 Material	Ī							-		
Fuel & Lubricant	lr.	232.00	<b>0</b>	0.33	· · · ·		r F 1		. 0	77
Others	L. S.	1	0	0.00				~	0	C
Sub Total	1								0	. 77
2 Labor										
Operator	man. day	1		1. A.	· · 0	33.00			0	33
Others	L. S.	1			0	0.00			· 0	(
Sub Total					-				0	3:
3 Equipment			· · ·		, -					
Truck with crane 8t	day	1					9480	· 0	9,480	
Sub Total									9,480	
Total									9, 480	11
							1			

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

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C0301

Truck 8t per day

### FC: YEN LC: US\$

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L L	abor	Equip	ment	Amc	ount
	· · · · · · ·			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								• • • •	0	80
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			-							
		day	1					3480	0	3, 480	0
	Sub Total			· ·		. * *				3,480	0
	and the second se										
	Total					••		an tha an		3, 480	113
		]		· . ·	<b>.</b> .	1 a 1	ľ				

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

312

4C0301-02

LA UNION PORT DEVELOPMENT PROJECT

4C0301

.

#### FC: YEN 1100

	Dump truck 10t per da	у			· .						
No	Work Item		Quantity				Unit Cost				
		1 A.		Mate	rial	L	abor	Equip	nent	Атс	unt
				FC	LC	FC	LC <sup>.</sup>	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
	Labor										
· .	Operator	man. day	1			· 0	.33.00			0	33
	Others	L.S.	1			. 0	0.00			0	0
	Sub Total						:	н		0	33
			- -				and and a second se				
3	Equipment										
	Dump truck 10t	day	1					6720	0	6, 720	
	Sub Total							· · ·		6, 720	
	Total									6, 720	138
		1									

4C0301-3

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

LA UNION PORT DEVELOPMENT PROJECT

4C0301

314

Generator 45KVA per day

FC: YEN

### LC: US\$

No	o Work Item Unit Quantity					Unit Cost					
ĺ		1 .		Material		Labor		Equipment		Amo	ount
l				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			. O	0.00			· · . 0	0
	Sub Total									0	33
						A status			an a		
3	Equipment	]:									
	Generator 45KVA	day	1	1.				1080	0	1, 080	
	Sub Total					· .				1, 080	0
	Total					1		at se		1, 080	57
						. •			n an An an ann an An		

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

4C0301-4

LA UNION PORT DEVELOPMENT PROJECT

400301

315

**•** • • • 

FC: YEN LC: US\$

s	Backhoe 0.8 m3 per da	y .					LC: US\$				
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
		1 .		Mate:	rial	L	bor Equipment	nent	Amount		
· ·				FC	LC	FC	LC ·	FC	LC	FC	LC
	Material Fuel & Lubricant	lr.	283.00	0						. 0	93 2
	Others Sub Total	L. S.			2. 00					0	95
	Labor Operator	man. day	1			· 0	33.00 0.00			0	33
	Others Sub Total	L. S.		·		v					33
	Equipment Backhoe O.8m3 Sub Total	day	1					11280	0	11, 280 11, 280	0 0
	Total									11, 280	128

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

LA UNION PORT DEVELOPMENT PROJECT

4C0301

Tire roller 8-20t per day

FC: YEN LC: US\$

	lire roller 8-20t per	day					EC: 000				
No	Work Item	Unit	Quantity	Quantity Basic Price							Cost
				Material		Labor		Equipment		Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material					-					
	Fuel & Lubricant	lr.	. 161.00	0	0.33					0	53
	Others	L. S.	1	· 0	2.00					а. с. — О	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
				н. 1							
3	Equipment										
	Tire roller 8-20t	day	- 1					3360	0	3, 360	. (
	Sub Total					н.				3, 360	· (
						· ·	ana ing kanalari Pangana ing kanalari				•
	Total									3, 360	88
	IVUAL										
	1	1	1 1		1		1	ł	7	1	

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

316

4C0301-6

6.5-

## APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT

4C0301

Tampa 60-100kg per day

FC: YEN LC: US\$

No	Tampa 60-100kg per da Work Item		Quantity			Bas	sic Price			Unit Cost		
ΝŲ	HOIK IVEM		quantity	Material		Labor		Equipment		Amo	unt	
				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			·							на на селото на селот На селото на	
	Operator	man. day	1			0	33, 00			0	33	
	Others	L. S.	1		·	0	0.00	-		0	0	
	Sub Total									0	. 33	
· · ·												
3	3 Equipment											
	Tampa	day	- 1					212. 4	0	212. 40		
	Sub Total	1 ·		1.						212.40		
	Total					*				212.40	35	

4C0301-7

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

LA UNION PORT DEVELOPMENT PROJECT

4C0301

318

Concrete Mixer 0.6m3 per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity	· · ·		Ba	sic Price	· · · · · ·		Unit	Cost
				Mate	rial	L	abor	Equip	ment	Am	ount
				FC	LC	FC	LC est	FC	LC	FC	LC
1	Material	Ţ									
	Fuel & Lubricant	lr.	0	0	0.33					. (	0
	Others	L. S.	. 1	0	0.00					· (	) · 0
	Sub Total									(	0
2	Labor			· · ·							
, i	Operator	man. day	1	1. J. S.		0	. 33, 00			··· · 0	33
	Others	L. S.	1			0	0.00			0	0
•	Sub Total									0	33
3	Equipment						er a ta a colle			•	
	Concrete Mixer 0.6m3	day	' 1					6480	· . 0	6, 480. 00	1
	Sub Total									6, 480. 00	
. •	Total		an An Anna Anna An Anna Anna Anna Anna A							6, 480. 00	33

. . .

4C0301-8

4C0302 Drain Trench

#### FC: YEN

LC: US\$ Total estimate for 75 m

No	Work Item	Unit	Quantity	Basic	Price	Unit C	Cost
						Amou	nt
				FC	LC	FC	LC
4C030201	Excavation & Disposal	m	75	75.81	1.28	5, 686	96.28
4C030202	Crushed Stone for Foundation	. m	75	17.62	0, 85	1, 322	64.01
4030203	Lean Concrete	m.		11. 78	3.17	883	238. 03
4030204	Reinforcement	m	75	437.92	26.12	32, 844	1, 958. 77
4C030205	Corner Angle	m .	75	182.99	15.17	13, 724	1, 137. 66
4C030206	Concrete Placing	m	75	189.89	142.67	14, 242	. 10, 700. 37
4C030207	Backfill Sand & Compaction	m	. 75	<sup>6</sup>	2.17	1,708	162.72
$(e_{1}, e_{2}) \in \mathcal{O}_{2}$	Total	, i				70, 408	14, 357. 85
		<u> </u>		Unit Price per m	· .	939	191. 44

4C030201

Excavation & Disposal for Manhole

FC: YEN LC: US\$

Total estimate for 75 m

No	Work Item	Unit	Quantity			Ba	sic Price			- Unit	Cost
				Mate	rial	L	abor	Equip	ment	Ато	unt
			· .	FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Excavation sand	m3	56	0	: 0,00					· 0	0
	Fuel Backhoe 0.8m3	day	0.2	0	95				-	0	19
	" Dump truck 10t	day	0.40		105					- 0	42
	Sub Total							· ·		. 0	61
2	Labor										
	Foreman	man. day				0	38.20			0	. 0
	Labor	man. day	0.2			0	14.30		• •	0	. 3
	Backhoe 0.8m3	man. day	0.2			. 10	33			. 0	7
	Dump truck 10t	man. day	0.40			· 0	.33			1 . O	13
	Sub Total					i I .				. 0	23
3	Equipment										
·.	Backhoe 0.8m3	day	0.2					11, 280	0	2, 256	0
	Dump truck 10t	day -	0.40			· .		6, 720	. 0	2, 688	` O
	Sub Total									4, 944	. 0
								Total	· .	4, 944	. 84
			·		· .			Unit Price p	er No.	65.92	1.12
	INDIRECT COST								15%	9.89	0.17
	TOTAL					a sa tak				76	1.28

LA UNION PORT DEVELOPMENT PROJECT		LA	UNION	PORT	DEVELOPMENT	PROJECT
-----------------------------------	--	----	-------	------	-------------	---------

4C030202

FC: YEN

Crushed stone for Found No Work Item	1.	Quantity				Bas	ic Price	e			Unit	Cost
				ateria	1	L	abor		Equip	oment	Amo	ount
			FC		LC	FC	LC	;	FC	LC	FC	LC
l Material												
Crushed stone	m3	5.80		0	5.16						0	29.93
Wasted crushed stone (25%	) m3	1.45		0	5.16				e Alexandre de la composición de la compo		0	7.48
Fuel Backhoe 0.8m3	day 🦾	0.1	· (	)	95 .				н 		0	9.54
″ Tampa 60kg	day	0.10	(		2		1				0	. 0.17
Sub Total											0	47.11
2 Labor			•									
Foreman	man. day	0.1				0		38: 20			0	3. 82
Labor	man. day	0.1				0		14. 30			0	1.43
Backhoe 0.8m3	man. day				•	. 0		33			. 0	3.30
Sub Total											0	8.55
3 Equipment	<u>]</u> .				•							
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	56
				•		· ·	• •	÷. ,	Unit Price	per No.	15.32	0.74
INDIRECT COST			·····				• •		· · · ·	15	% 2.30	0.11
TOTAL											18	0.85

4C030203

Lean Concrete

LC: US\$ Total estimate for 75 m

No	Work Item	Unit	Quantity		en en e	Bas	ic Price			Unit	Cost
				Mat	erial	Ľ	abor	Equip	ment	Amo	unt
,				FC ·	e e LC	FC .	LC C	FC	LC ·	FC	LC -
1	Material										
	Ready mixed concrete	m3	2.90	0	65.00					0	189
	Wasted concrete(1.5%)	m3	0.04	· · · 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 Labor									0	194
	Foreman	man. day	0.10			0	38.20			0	4
	Labor	man. day	0.20				14.30			0	3
۰.	Concrete mixer 0.6m3	day	0, 10			0	33			· 0	3
	Generator 45KVA	day	0.10			0	- 33			. 0	3.
	Sub Total Equipment	· · ·								0	13
	Concrete mixer 0.6m3	day	0.10					6, 480	· · · · · · · · · · · · · · · · · · · ·	648	0
	Generator 45KVA	day	0.10					1, 080	. 0	108	0
	Vibrator	day	0.10					120	. 0	12	· 0
	Sub Total				· · · · · · · · · · · · · · · · · · ·	an Chrant	and the second			768	
÷				· · ·		· · · · · · · ·	· · · ·	Total	· · · ·	768	207
	and the second		· · · · ·	ting and the	· · · · · · · · · · · · · · · · · · ·			Unit Price p	oer No.	10.24	2.76
	INDIRECT COST				an an an th				15%	1.54	0.41
	TOTAL	· · ·								12	3.17

FC: YEN

	LA UNION PORT DEVELOPM	ENT PRO	JECT	· .								
.1	4C030204			1			FC: YEN	n den. Ser en ser	and and an and a second s			· .
	Reignforcement			1.00	· · ·		LC: US\$			Total estimat		
0	Work Item	Unit	Quantity	·			c Price			Unit		
				Mat	erial		ibor	Equipm		Ало		
·				- FC	LC	FC	LC	FC	LC	- <u>0</u> 7	LC	
1.	Material					1.1						
	Reinforcement bar	kg	2015.00	0	0, 36					: 0	725	<b>.</b> .
	Wasted steel bar(1.5%)	kg	30, 23	0	0, 36				· · ·	0	11	
	Fuel Truck crane 16t	day	. 2	0	77					· . 0	153	
	" Truck St	day ·	2	0	80					0	160	
	" Generator 45KVA	day	2.0	0	24					0	48	
	Sub Total									• • 0	1, 097	
2	Labor						•					
	Foreman	man. day	2			· · 0	38, 20			. 0	76	
	Labor	man, day	. 20	· · ·		0	14.30			. 0	286	
	Welder	man, day	2			. 0	23.09			0	46	
	Truck crane 16t	man. day	. 2			<u></u> 0	- 33			. 0	66	1
	Truck St	man. day	2			. 0	33			0	66	
•	Generator 45KVA	man. day	2			0	. 33			0	66	
	Sub Total									0	607	1
3	Equipment											
	Truck crane 16t	day	2					9, 480	0	18960	. 0	
	Truck 8t	day	2					3, 480	0	6, 960	0	
	Generator 45KVA	day	2					1,080	0	2, 160	· 0	1
	Bar cutter	day	2					120	. 0		0	
	Bar bender	day	2			n de la composition de la composition de la		120	C	240	. C	1
	Sub Total		· ·	· ·	l				L	28, 560	0	
			·		•			Total		28, 560	1, 703	-
	· .							Unit Price		380.80	22.71	4
	INDIRECT COST								15%		3. 41	4
	TOTAL									438	26.12	1

4C030205

#### FC: YEN

Corner Angle for Manhole

#### LC: US\$

Total estimate for 75

No	Work Item	Unit	Quantity				Bas	ic Price			Unit	Cost
	, in the second s			М	ateri	al	L	abor	Equip	ment	Атс	unt
				FC		LC	FC	LC	FC	LC	FC	LC
1	Material											
	Coner angle	kg	718.00		0	0.36					. 0	258
	Wasted corner angle(2%)	kg	14.36		0	0.36					0	5
	Miscellaneous	L. S.	1		0	5.27		· · ·			0	5
	Fuel Truck 8t	day	2.5		0	80					0	200
	" Generator 45KVA	day	2. 50	÷.,	0	24					. 0	59
	Sub Total										о С	528
2	Labor							and the second				
	Foreman	man. day	2.5				0	38.20			0	96
	Labor	man. day	10				0	14.30			· 0	143
	Welder	man. day	2.5				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											, <sup>1</sup>
	Truck St	day	2.5						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
	Sub Total				1 .		1			1. d. t.	11, 934	0
			<u>.</u>						Total		11, 934	989
				•					Unit Price p	per No.	159.12	13, 19
	INDIRECT COST	· · · · · · · · · · · · · · · · · · ·								15%	23. 87	1.98
	TOTAL										183	15. 17

LA	UNION	PORT	DEVELOPMENT	PROJECT

4C030206

FC: YEN

	4C030206 Concrete Placing						LC: US\$			fotal estimate	for 75
No	Work Item	Ųnit	Quantity			Basi	c Price			Unit (	Cost
	NULI L'UCH	•		Mat	erial	La	abor	Equipm	ient	Атоц	nt
	sufficient de la composición de		·	FC	LC	FC	LC	FC	LC	FC	LC
1	Material								[		
	Cover for manhole	n.	75.00	. 0	89.70					0	6,728
	Ready mixed concrete	т3	14: 60	Ċ	70.00					. 0	1, 02
		т.3	0.73	c	70.00					0	5
	Formwork	m2	229.00	. (	5. 50				· ·	0	1, 26
	Fuel Truck crane 16t	day	0.6	c	77					0	4
	Concrete mixer 0.6m3	day	0.6	· (	0					0	
	" Generator 45KVA	day	0.6	Ç	24	· ·				0	1
	" Truck St	day	0.6	(	80			1		0	4
	Sub Total				1					0	9, 16
2	Labor							1			
	Foreman	man. day	0.6	1910 - I		· 0	38.2	0		0	2
	Labor	man, day	2.4		1	0	14.3	0		0	3
	Truck crane 16t	man, day	0.6			0	33			0	. 2
	Concrete mixer 0.6m3	man. day	0.6			0	33			0	2
	Generator 45KVA	man. day	0.6			0	33			-0	. 2
	Truck St	man. day	0.6			0	33			. 0	2
	Sub Total						· ·			0	13
	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				ł	1, 080	0	648	
	Truck 8t	day	0.6	1	1		1 s	3, 480	0	2, 088	
	Vibrator	day	0.6					120	. 0	72	
•	Sub Total			[						12, 384	
			<u> </u>	*,				Total		12, 384	9,30
								Unit Price p	per No.	165.12	124. 0
	INDIRECT COST								15%	24.77	18.6
—	TOTAL								-	190	142.6

4C030207

FC: YEN

Backfill sand & Compaction

LC: US\$

Total estimate for 75 Nos

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										
	Backfill sand	m3	22.6	0	4.00				<b>,</b> .	0	90
	Wasted Backfill sand (25%)	m3	5.65	0	4.00					0	23
	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					· 0	0
	Sub Total									. 0	128
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			0	33			0	3
	Sub Total							1997 - A.		. 0	13
3	Equipment										
	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					212	i 0	21	0
	Sub Total									1, 485	0
	·							Total		1, 485	141
			• •					Unit Price	per No.	19. 80	1.89
	INDIRECT COST								15%	2.97	0.28
	TOTAL									23	2. 17

LA UNION PORT DEVELOPMENT PROJECT

4C0302

FC: YEN

	Truck crane 16t per d	av					LC: US\$				
No	Work Item	T	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	L	abor	Equipm	nent	Атс	ount
1. T				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	232.00	0	0. 33					0	77
	Others	L. S.	1	C	0.00					. 0	0
	Sub Total Labor								-	0	. 77
	Operator	man. day	1			0	33.00			0 - 0	33 <sup>.</sup> 0
•	Others Sub Total	L. S.	1				0.00			0	33
3	Equipment										
	Truck with crane 8t	day	1			ļ	i	9480	0	9,480	0
	Sub Total									9, 480	
	Total									9, 480	110

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

100ps x 0.2 x 6 x 1.05

#### LA UNION PORT DEVELOPMENT PROJECT

4C0302

Truck St per day

FC: YEN

LC:	US\$	
-----	------	--

· 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					0	3
	Sub Total								• •	0	80
2	Labor										
	Operator	man. day	1			0	33, 00			0	33
	Others	L. S.	1	· .		0	0.00		an a	0	0
	Sub Total									· · · 0 ·	33
		· .									
. 3	Equipment								•		
	Truck St	day	1		n an tha sha sha sha sha sha sha sha sha sha s			3480	· · · 0	3, 480	0
	Sub Total									3, 480	0
	Total		· · ·		м.	an a				3, 480	113

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

LA UNION PORT DEVELOPMENT PROJECT 4C0302

FC: YEN

Dump truck 10t per day

	unit	Quantity			Ba	sic Price			Unit	Cost
No Work Item	Unit	QUALLETUY		rial		abor	Equip	ment	Amo	unt
			FC	LC	FC	FC	FC	LC	FC	LC
lMaterial										
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										
and the second	man. day				0	33.00		-	0	33
Operator	L.S.	1			0	1	· ·		0	0
Others	12.0.				the state				0	33
Sub Total		1.								
				· ·						
3 Equipment				1			6720		6, 720	
Dump truck 10t	day	1					0120		1	
Sub Total									6, 720	
Total						· ·			6, 720	138
				1   .						

4C0302-3

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

LA UNION PORT DEVELOPMENT PROJECT

400302

Generator 45KVA per day

FC: YEN LC: US\$

	denerator town per d	ay					20: 020				
No	Work Item	Unit	Quantity			Ba	sic Príce			Unit	Cost
				Mate	rial	L	abor	Equip	ment	Атс	ount
				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			1		0	0
	Sub Total								· .	о С	24
							•		· · · · ·		
2	Labor						e de la composición d				
	Operator .	man. day	1			0	33.00			. 0	33
•	Others	L. S.	1			0	0.00			0.	0
:	Sub Total									0	33
				. '				N.			
3	Equipment										. •
	Generator 45KVA	day	1					1080	0	1,080	· . 0
	Sub Total									1, 080	. 0
	m									. 1.000	
۰.	Total									1,080	57

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

LA UNION PORT DEVELOPMENT PROJECT

400302

331

FC: YEN

	Backhoe 0.8 m3 per day	7					LC: US\$		1 		
No	Work Item	r	Quantity			Ba	sic Price		·	Unit	Cost
110					rial	· · L	abor	Equip	ment	Amot	int · ·
	an an an Arthread an Arthr Arthread an Arthread an Art Arthread an Arthread an Art			FC	LC	FC	- LC	FC	LC	FC	LC
	Material Fuel & Lubricant	lr.	283.00	0	0.33					0	93
	Others Sub Total	L. S.	1	0	2. 00					0	2 95
2	Labor			· ·							
	Operator	man. day	1			. 0				0	33
	Others	L. S.	1			0	0.00	)		0	0
	Sub Total									0	33
3	Equipment			·				11000		11 990	0
	Backhoe 0.8m3	dav	. 1	· ·				11280		11, 280 11, 280	0
	Sub Total Total			- 						11, 280	128

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

LA UNION PORT DEVELOPMENT PROJECT

4C0302

fire roller 8-20t per day

FC: YEN

: per day

LC: US\$

No	Work Item	Unit	Quantity			Bas	sic Price	. 1		Unit	Cost
				Mate	rial	. L.	abor	Equip	ment	Amo	int
ĺ				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	161.00	0	0. 33					0	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									· · · O	33
							•				
1	Equipment							3360	0	3,360	0
1	Tire roller 8-20t	day	1					3300	U U		
	Sub Total								- -	3,360	· .
	Total						- - -			3, 360	88
										· .	

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

332

4C0302-6

LA UNION PORT DEVELOPMENT PROJECT

4C0302

333

Tampa 60-100kg per day

FC: YEN LC: US\$

.Tampa 60-100kg per d	ay					LC+ US\$				
No Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
		† F	Mate	rial	La	abor	Equip	nent	Amo	unt
			FC	LC	FC	LC	FC	LC ·	FC	LC
l Material										
Fuel & Lubricant	lr.	5.00	0	0.33					• 0	2
Others	L. S.	1	0	<sup>11</sup> 0, 00					0	0
Sub Total			н 						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
3 Equipment										
Tampa	day	1					212.4	0	212.40	0
Sub Total									. 212.40	0
	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 4C0302

Concrete Mixer 0.6m3 per day LC: US\$

No	Work Item	Unit	Quantity			Bas	sic Price		· .	Unit	Cost
		ĺ		Mater	ial	L	abor	Equip	ment	Amo	unt
•				FC	LC	FC	LC	FC	LC	FC	LC
1	Material	· .									
•	Fuel & Lubricant	lr.	• 1. O	0	0.33					. O	0
	Others	L. S.	1	÷ . 0	0. 00					. 0	0
	Sub Total	ł					· ·			0	. 0
2	Labor										
	Operator	man. day	1	·	1	. 0	33.00			0	33
	Others	L. S.	1		1	0	0.00			0	. 0
	Sub Total									. 0	33
3	Equipment						-				
1		day	1					6480	. 0	6, 480. 00	0
	Sub Total			4 I.		-			а. 1. т. т.	6, 480. 00	0
	Total			et i i		· .		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		6, 480. 00	33
								-			

FC: YEN

4C0302-8

#### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

4C04

#### FC: YEN

OIL SEPARATOR

LC: US\$ Total estimate for 1 No.

No	Work Item	Unit	Quantity	Basic	Price	Unit C	ost	
						Amount		
				FC	LC ·	FC	LC	
4C0401	Excavation & Disposal	Nos.	1	64, 584. 00	1, 308. 04	64, 584	1, 308. 04	
4C0402	Crushed Stone for Foundation	Nos.	· · · 1	3, 964. 88	118.13	3, 965	118.13	
400403	Lean Concrete	Nos.	1	264.96	24. 45	265	24.45	
4C0404	Reinforcement & Flap Valve	Nos.	· · · · 1	101, 016. 00	5, 686. 96	101, 016	5, 686. 96	
4C0405	Corner Angle	Nos.	1	8, 135. 93	1,002.15	8, 136	1,002.13	
4C0406	Concrete Placing	Nos.	· 1	43, 801. 20	9,863.26	43, 801	9, 863. 26	
400407	Backfill Sand & Compaction	Nos.	1	17, 080. 26	360.61	17, 080	360. 61	
• .	Total					238, 847	18, 363. 59	
				Unit Price per No.	. :	238, 847	18, 363. 59	

Unit Prio

4C0401

Excavation & Disposal for Oil Separator

LC: US\$

FC: YEN

Total estimate for 1 No.

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				• Mate	rial	L	abor	Equip	ment	Алот	unt
				FC ·	LC	FC	LC	FC	LC	FC	LC
1	Material								1		
	Excavation & Disposal	m3	569	0	0.00					0	0
	Fuel Backhoe 0.8m3	day	2	0	95			а 		0	191
	" Dump truck 10t	day	5.0	. 0	- 105					0	525
	Sub Total	-								0	716
2	Labor					· · ·					
	Foreman	man. day	2			0	38.20			0	76
•	Labor	man. day	·· 8			O	14. 30			0	114
	Backhoe 0.8m3	man. day	2			0	33	ant and		. 0	66
	Dump truck 10t	man. day	5			. 0	· 33			. 0	165
	Sub Total									· 0	422
3	Equipment				- 1						
	Backhoe 0.8m3	day			•			11, 280	· 0	22, 560	0
	Dump truck 10t	day	. 5					6,720	0	33, 600	0
	Sub Total									56,160	0
			· . ·			N. A		Total	· ·	56, 160	1, 137
			1					Unit Price p	per No.	56, 160. 00	1, 137. 43
	INDIRECT COST	•						· · · ·	15%	8, 424. 00	170.61
	TOTAL				· · · ·					64, 584	1, 308. 04

4C0402

#### FC: YEN

Crushed stone for Fo	undation o	of Oil Sep	parator			LC: US\$			Total estimat	e for 1 No.
No Work Item		Quantity	· · · · · · · · · · · · · · · · · · ·		Basi	c Price			Unit	Cost
			Mat	erial	La	abor	Equip	ment	Атоц	int
			FC	LC	FC	LC	FC	LC 1	FC	LC
1 Material										
Crushed stone	m3	5.44	0	5.16					· 0	28.07
Wasted crushed stone (2	25%) m3	1.36	0	5. 16					0	7.02
Fuel Backhoe 0.8m3	day	0.3	0	95					0	28.62
" Tampa 60kg	day	0,3	. 0	2					0	0.50
Sub Total						•			0	64.20
2 Labor						· ·				
Foreman	man. day	0.3	Т		- 0	38.20			0	11.46
Labor	man. day	1.2	1		· _ 0	14.30			0	17.16
Backhoe 0.8m3	man. day	0.3	· .		0	-33	· · ·		0	9.90
Sub Total									0	38. 52
3 Equipment										
Backhoe 0.8m3	day	0.3					11, 280	. 0	3, 384. 00	0
Tampa 60kg	day	0.3					212. 40	· · 0	63.72	0
Sub Total									3, 448	0
		- <b>L</b>	<u> </u>		A		Total		3, 448	103
			·				Unit Price p	per No.	3, 447. 72	102.72
INDIRECT COST					. <u></u>		·	15%	517.16	15. 41
TOTAL					· ·		· · · ·		3, 965	118.13

#### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

4C0403

Lean Concrete

FC: YEN LC: US**\$** 

Total estimate for 1 No.

No	Work Item	Unit	Quantity		· .	Bas	ic Príce			🔅 Unit C	ost
·				Mat	erial	L	abor	Equip	ment	Amou	nt
				FC ·	- LC	FC	LC	FC	LC	FC	LC
1	Material										
	Ready mixed concrete	m3	2. 38	. 0	65.00		:			. 0	155
	Wasted concrete(1.5%)	т3	0.04	0	65.00				,	0	2
	Fuel Concrete mixer 0.6m3	day	0, 3	0	. 0					0	0
	" Generator 45KVA	day	0.3	0	24					0	7
	Sub Total									0	164
2	Labor										
	Foreman	man. day	0.3		• •	. 0	38.20			0	11
	Labor	man. day	1.2			0	14.30			0	17
	Concrete mixer 0.6m3	day	0.3			0.	33			0	10
	Generator 45KVA	day	0.3	-		· · 0	33			0	10
1 A	Sub Total						· · ·			· c	48
3	Equipment										
	Concrete mixer 0.6m3	day	0.3					6, 480	. 0	1944	0
		day	0.3					1,080	. 0	324	0
•		day	0.3					120	0	36	0
	Sub Total						2 •			2,304	0
		L	· .		· · ·		· · · · · · · · · · · · · · · · · · ·	Total		2, 304	213
					· .			Unit Price p	er No.	230.40	21.26
	INDIRECT COST					· · · · · · · · · · · · · · · ·		·· <u>· · · · · · · · · · · · · · · · · ·</u>	15%	34. 56	3.19
	TOTAL	· · · · · ·								265	24.45

LA	UNION	PORT	DEVELOPMENT	PROJECT

i.

400404

FC: YEN

Reignforcement

LC: US\$

Total estimate for 1 No.

No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Ma	terial	La	abor	Equip	nent	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material	1									:
	Steel bar	ton	- 3, 66	. C	360.00					. 0	1, 318
	Wasted steel bar(1.5%)	ton	0.05	, c	360.00					0	20
	Fuel Truck crane 16t	day	6	i c	77					. 0	459
	" Truck St	day	. 6	C	80					0	479
	" Generator 45KVA	day	8	c	24					. 0	190
	Sub Total									0	2, 466
2	Labor										•
	Foreman	man. day	8	· .		0	38.20			. 0	306
	Labor	man, day	80			0	14.30			0	1, 144
	Welder	man. day	16			· 0	23.09		÷.	. 0	369
÷	Truck crane 16t	man. day	6			. 0	33			0	. 198
	Truck 8t	man. day	6			0	33	1. 1.		0	198
	Generator 45KVA	man. day	. 8			0	33			0	264
	Sub Total									0	2,479
3	Equipment										
•	Truck crane 16t	day	- 6					9, 480	0	56880	0
	Truck 8t	day	6					3, 480	0	20, 880	0
	Generator 45KVA	day	· 8					1,080	. 0	8, 640	0
	Bar cutter	day	6					120	0	720	· 0
	Bar bender	day	6			:		120	. 0	720	C
	Sub Total									87, 840	C
		- <b>-</b>						Total		87,840	4, 945
								Unit Price	per No.	87, 840. 00	4, 945, 18
	INDIRECT COST								15%	13, 176. 00	741.78
	TOTAL									101, 016	5, 686. 96

4C0405

Cover, corner angle and others for Manhole

#### FC: YEN

#### LC: US\$

Total estimate for 1 No.

No	Work Item	Unit	Quantity			Basi	ic Price			Unit	Cost
				Mat	erial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	ĹĊ
1	Material										
	Cast iron cover	Nos	3	0	117.6					0	353
	Non corrosive metal mesh	Nos	1	0	· 11		·			0	11
	Steps	kg	35	. 0	0. 54					0	19
	Ventilation pipe Dia. 100x2	Nos	2	0	80					0	160
	Coner angle	kg	310	0	0.36					0	112
	Wasted corner angle(2%)	kg	6.2	· 0	0, 36					0	2
	Miscellaneous	L. S.	1	0	2. 28					0	2
	Fuel Truck 8t	day	1.2	0	80		· · · ·			0	96
	" Generator 45KVA	day	2.3	0	24					0	55
	Sub Total									0	267
2	Labour						· .				
	Foreman	man. day	2.3			0	38.20			. 0	. 88
	Labor	man. day	20			0	14. 30			. 0	286
	Welder	man. day	5			0	23.09			0	115
	Truck St	man, day	1.2			0	33			0	40
	Generator 45KVA	man, day	2.3			0	33			. 0	- 76
	Sub Total				· · · ·					0	605
3	Equipment										
	Truck 8t	day	1.2					3, 480	0	4,176	C
	Generator 45KVA	day	2.3	н. Н				1,080	O	2, 484	C
	Welder 300A	day	2. 3					120	0	276	. (
	Other equipment	L. S.	1					139	· . 0	139	(
	Sub Total									7,075	C
								Total		7,075	871
								Unit Price g		7, 074. 72	871.43
	INDIRECT COST							·	15%	1,061.21	130. 72
	TOTAL									8, 136	1, 002. 15

340

.

	4C0406						FC: YEN				
	Concrete Placing						LC: US\$			Fotal estimate	
No	Work Item	Unit	Quantity			Basi	c Price			Unit C	
		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		Mate	rial	La	abor .	Equipm		Алюцг	
				FC	LC	FC ·	LC	FC	LC	FC	LC
1	Material			1							
	Ready mixed concrete	m3	80. 24	· · · · 0	70.00					0	5, 617
	Wasted concrete(5%)	m3	4.68	0	70.00					0	- 328
	Formwork	m2	355	0	5. 50					0	1, 953
	Fuel Truck crane 16t	day	2. 2	0	77				ĺ	0	168
	" Concrete mixer 0.6m	day	2.2	0	0					0	0
	" Generator 45KVA	day	. 2.2	0	24					0	52
	Sub Total									0	8,118
2	Labour									-	
	Foreman	man. day	2, 2			· 0	38, 20			0	. 84
	Labor	man. day	11.0			0	14. 30			0	157
	Truck crane 16t	man. day	2.2			0	33			. 0	73
	Concrete mixer 0.6m3	man. day	2.2			0	33			0	13
	Generator 45KVA	man. day	2, 2			0	33			0	73
	Sub Total									0	459
3	Equipment										•
	Truck crane 16t	day	2. 2					9, 480	0	20856	•
	Concrete mixer 0.6m3	day	2.2					6, 480	0	14, 256	
	Generator 45KVA	day	2.2					1, 080	Ò	2, 376	
	Vibrator	day	5					120	0	600	
	Sub Total									38, 088	
								Total		38, 088	8, 57
								Unit Price p		38, 088. 00	8, 576. 7
	INDIRECT COST								15%	5, 713. 20	1, 286. 5
	TOTAL		<u></u>							43,801	9,863.20

#### 

4C0407

Backfill sand & Compaction

LC: US\$

FC: YEN

Total estimate for 1 No.

No	Work Item	Unit	Quantity			Ba	sic Price	·		Unit	Cost
				Mate	rial	L	abor	Equip	ment	Ато	unt
				FC	LC -	FC	LC	FC	LC	FC	LC
1	Material						· ·	·			
	Backfill sand	m3	387	0	0.00					. 0	0
	Wasted Backfill sand (25%)	mЗ	0	0	· 0.00					. 0	0
	Fuel Backhoe 0.8m3	day	1	0	95					0	95
1	" Tire roller 8-20t	day	1.0	0	55					· · 0	55
	" Tampa 60kg	day	1.0	0	2					0	2
	Sub Total									0	. 152
2	Labour							· · · · ·			an a
	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
	Tire roller 8-20t	man. day	1	· .		. · 0	33			. 0	33
	Sub Total									0	161
3	Equipment									· · · · · ·	
	Backhoe 0.8m3	day	1					11,280	. 0	11, 280	0
	Tire roller 8-20t	day	1	· .				3, 360	0	3, 360	0
	Tampa 60kg	day	1					212	0	212	0
	Sub Total							1 · ·		14, 852	0
								Total		14, 852	314
					· · · · ·	1		Unit Price	per No.	14, 852. 40	313.57
	INDIRECT COST						· · ·	· . ·	15%	2, 227. 86	47.04
	TOTAL									17,080	360. 61

#### LA UNION PORT DEVELOPMENT PROJECT

4C04

343

Truck crane 16t per day

FC: YEN LC: US\$

N	Truck crane 16t per da Work Item		Quantity		·	Basic Pri	ce		· · · · · · · · · · · · · · · · · · ·	Unit Cost	
No	WOLK ICEM	UIIIC	ł	Material		Labor		Equipment		Amount	
							LC	FC	LC	FC and a second	
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					Т					
	Operator	man. day	. 1			0	33.00			. 0	33
	Others	L.S.	1			0	0.00			0	0
	Sub Total									. 0	33
			4								
	3 Equipment		1 A A A A								
	Truck with crane 8t	day	. 1	-				9480	) (	9, 480	(
	Sub Total									9, 480	(
			- ·		-						
	Total									9, 480	110
						· .					

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

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C04

344

Truck St per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity				Basic Pri	се			Unit Cost	
	· ·			Mate	erial		Labor		Equipment		Amount	
				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		19 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			0	3
	Sub Total										. 0	. 80
	and the second											
2	Labor											
	Operator	man. day	i I				0	33.00			. 0	. 33
	Others	L. S.	1				0	0.00			0	0
	Sub Total					1.1					0	33
12										· · ·		
- 3	Equipment											· · · · · · · · ·
	and the second	day	1						3480		3, 480	
	Sub Total										3, 480	· 0
· · ·												
	Total			• .				an a			3, 480	113

4C04-2

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

LA UNION PORT DEVELOPMENT PROJECT

4C04

Dump truck 10t /day

FC: YEN LC: US\$

No	Dump truck 10t /day Work Item	Unit	Quantity		· · ·	Basic Pri	ce			Unit Cost	
				Material		Labour	······································	Equipment		Amount	
					LC ·	FC ·	LC	FC	LC	FC	LC
1	Material										
- 1	Fuel & Lubricant	lr.	309.00	0	0, 33	, A				.;* 0	102
. •	Others	L. S.	1	. 0	3.00					· 0	3
	Sub Total									0	105
2	Labour							-			
	Operator	man. day	1			0	33.00			0	33
	Others .	L.S.	1			0	0.00			. 0	0
	Sub Total				:					. 0	33
	Equipment	·	,					6720	c c	6, 720	(
	Dump truck 10t Sub Total	day				· · · · · · · · · · · · · · · · · · ·				6, 720	(
	Total									6, 720	138

4C04-3

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

LA UNION PORT DEVELOPMENT PROJECT

4C04

346

Generator 45KVA per day

100 000		LC:	US\$
---------	--	-----	------

FC: YEN

lo	Work Item	Unit	Quantity			Basic Pri	ce · · · ·	and the second second second	Unit Cost
				Material		Labour		Equipment	Amount
				FC	LC ·	FC	LC	FC LC	FC LC
]	.Material						· .		
	Fuel & Lubricant	1r.	72.00	0	0.33				0 2
	Others	L. S.	1	0	0.00				0
	Sub Total								0 2
2	Labour								
	Operator	man. day	- 1			. 0	33.00		0 3
	Others	L. S.	1			0	0.00		0
	Sub Total								0 3
3	Equipment								
	Generator 45KVA	day	· . I					1080 0	1,080
	Sub Total								1,080
	Total								1, 080 5

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

4C04-4

#### LA UNION PORT DEVELOPMENT PROJECT

4C04

347

Backhoe 0.8 m3 per day

FC: YEN

No	Backhoe 0.8 m3 per da Work Item		Quantity			Basic Pri	ce			Unit Cost	· .
NO	WOLK ICEN			Material		Labour		Equipment		Amount	
i					·····		LC		LC	FC	LC ···
1	Material										
	Fuel & Lubricant	1r.	283.00	: · · . 0	0.33				· · ·	Ċ	93
	Others	L.S.	1	0	2.00					C	2
	Sub Total									c	95
- 2	Labour										
	Operator	man. day	1	· .	· · · ·	- C				. 0	33
	Others	L. S.	1			C	0.00		147	0	0
	Sub Total			· . ·						0	33
	Reuinnant					1. A. 1.					
	Equipment Backhoe 0.8m3	day	1					11280	) c	11, 280	C
	Sub Total					15 .	·			11,280	C
	Total									11, 280	128

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

LA UNION PORT DEVELOPMENT PROJECT

4C04

348

FC: YEN

Tire roller 8-20t per day LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	ce		Unit Cost			
				Material	· ·	Labour		Equipment	Amount	Amount		
				FC	LC	FC	LC	FC LC	FC	LC		
1	Material				ſ							
	Fuel & Lubricant	lr.	161.00	0	0.33				0	53		
	Others	L. S.	1	. 0	2.00			:	0	2		
]	Sub Total								0	55		
		а. С				· · ·						
. 2	Labour											
	Operator	man, day	1			0	33.00		0	33		
	Others	L. S.	1			0	0.00		0	· 0		
	Sub Total							and the second	0	33		
		-				·						
3	Equipment											
	Tire roller 8-20t	day	- 1	н. Н				3360	0 3, 360	0		
	Sub Total			· .					3, 360	0		
· · ·				•		· · · · · · ·						
	Total								3, 360	88		

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

4C04-6

#### LA UNION PORT DEVELOPMENT PROJECT

4C04

349

Tampa 60-100kg per day

FC: YEN LC: US\$

No	Tampa 60-100kg per day Work Item		Quantity			Basic Pri	ce · ·	·. ·		Unit Cost		
		N.		Material		Labour		Equipment		Amount		
•			1 .		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	Labour											
	Operator	man. day	1			0	33.00	1		0	33	
	Others	L. S.	1		1	·· 0	0.00			. 0	0	
	Sub Total									0	33	
3	Equipment	<b>1</b> .										
	Tampa	day	1					212. 4	0	212.40	0	
	Sub Total									212.40	0	
				м <sup>2</sup>								
	Total		· ·					-		212.40	35	
		1 .								<u>l</u>	<u> </u>	

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

4C04-7

LA UNION PORT DEVELOPMENT PROJECT

4C04

No

Concrete Mixer 0.6m3 per day

FC: YEN LC: US\$

	1		<u>.</u>	<del></del>		Desite Online		Tru the Grant
0	Work Item	Unit	Quantity	·	· · · · · · · · · · · · · · · · · · ·	Basic Price		Unit Cost
		1. A.		Material		Labour	Equipment	Amount
÷		a de la com		FC	LC	FC LC	FC LC	FC LC
1	Material							
	Fuel & Lubricant	lr.	0	C C	0.33	3		0 0
нт 1. т	Others	L. S. '	1	0	0.00	0		0 0
ļ,	Sub Total							0 0
2	Labor							
	Operator	man. day	1			0 33.00	)	0 33
1.5	Others	L. S.	. 1			0.00		0 0
	Sub Total							0 33
		· · · .						
- 3	Equipment			1. 1. A.				
	Concrete Mixer 0.6m3	day	1				6480 (	0 6, 480. 00
	Sub Total							6, 480. 00
1. L.I.								
	Total				a a 44			6, 480. 00 33
1. J. J.	1	1 .		1	1 .			

4C04-8

1	- No. 1997 - 199		- 14 A	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
PORT REACTIVATION	PROJECT	IN LA	UNION	PROVINCE	
4C041					

# FC: YEN LC: US\$

	OIL SEPARATOR (Route A)	· .	
No	Work Item	Unit	

Total estimate for 1 No.

No	Work Item	Unit	Quantity	Basic	Price	Unit Cost Amount		
				FC	LC	FC	LC	
4C04101	Excavation & Disposal	Nos.	1	421, 054. 56	9, 328. 78	421, 055	9, 328. 78	
	Crushed Stone for Foundation	Nos.	1	6, 780. 08	237.02	6, 780	237.02	
4C04103	Lean Concrete	Nos.	1	264.96	69.36	265	69.36	
4C04104	Reinforcement & Flap Valve	Nos.	1	101, 016. 00	8, 855. 35	101, 016	8, 855. 35	
	Corner Angle	Nos.	1	1, 498, 535. 93	1, 626. 25	1, 498, 536	1, 626. 25	
4004106	Concrete Placing	Nos.	1	79, 488. 00	22, 008. 33	79, 488	22, 008. 33	
4004107	Backfill Sand & Compaction	Nos.	1	105, 857, 04	1, 415. 02	105, 857	1, 415. 02	
	Total					2, 212, 997	43, 540. 11	
<b></b>		. <u>1</u>	·•	Unit Price per No		2, 212, 997	43, 540. 11	

4C04101

FC: YEN

	Provide Provid	e 0:1 0					LC: US\$			Total estima	te for I N	
No	Excavation & Disposal for Oil S Work Item Unit		Quantity			Ba	sic Price	<u>`</u>		Unit Cost		
140	HOIR ICEN	K TCEN DUTC		Mate	rial		abor	Equip	ment	Amo		
1				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Excavation & Disposal	m3	2209	0	0.00					. 0		
	Steel sheet pile(5%)	ton	58	0	35.00				1	Q	2, 03	
	Other materials	ton	5.8	. 0	35.00					0	20	
	Fuel Backhoe 1.5m3	day	6	0	170					¢	1,02	
	" Dump truck 10t	day	24	0	105					0	2, 51	
	Truck crane 16t	day	4	0	77		÷			. 0	30	
	" Generator 100KYA	day	4	0	52			ł		D	. 20	
	Sub Total									0	6,28	
2	Labor		-					· ·				
	Foreman	man. day	6	·		0	38. 2	p -		0	22	
	Labor	man. day	24		•	- 0	14. 3	D		0	· 34	
	Backhoe 1.5m3	man. day	6		<b>.</b>	0	: 33			. · · · 0	19	
	Dump truck 10t	man. day	24			0	33			. 0	79	
·	Truck crane 16	man. day	4			Q	33	· .		0	1:	
	Generator 100KVA	man. day	4			0	33	1		0	1:	
	Sub Total					1				0	1, 82	
3	Equipment										•	
	Backhoe 1.5m3	day	6	ta t				19, 440	٥.	116, 640		
	Dump truck 10t	day	24	· 				6, 720	. 0	161, 280		
	Truck crane 16	day	4					9, 480	0	37, 920		
	Generator 100KVA	day	4					1, 800	0	7,200		
	Vibrohammer 60kw	day	4					10, 560	0	42, 240		
	Submersible pump 80mm	day	. 4					213.60	. 0	854		
	Sub Total		$b_{ij}(x) \in \mathcal{I}_{ij}$							366, 134		
		L	L					Total	<u> </u>	366, 134	8, 11	
		e e e			• . •			Unit Price p	per No.	366, 134. 40	8, 111. 9	
	INDIRECT COST								15%	54, 920. 16	1, 216. 8	
	TOTAL	· · · · · · · · · · · · · · · · · · ·							•	421, 055	9, 328. 7	

352

...

. . .

#### LA UNION PORT DEVELOPMENT PROJECT

1	4C04102						FC: YEN			н 	
	Crushed stone for Found	lation	of Oil Sep	arator			LC: US\$			Total estimat	e for
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
				Mat	erial	Ĺ	abor	Equir	ment	Атох	ant
				FC	LC	FC	LC	FC	LC	FC FC	L
	Material										÷
	Crushed stone	m3 -	18.00	0	5.16					. 0	
	Wasted crushed stone (25%)	m3 ·	4.50	0	5.16		· .			0	
	Fuel Backhoe 1.5m3	day	0.3	, °0	. 170					0	
	" Tampa 60kg	day	0.3	0	2					. 0	÷
								· · ·		0	

00.

e for 1 No.

LC

92.88 23. 22 50.99

0.50

lampa ookg	uay	0.0	Ϋ́Ι Ϋ́	· -						
Sub Total									0	167.59
Labor										
Foreman	man. day	0.3	3		. 0	38.20			0	11.46
Labor	man. day	1.2	2		0	14. 30			0	17.16
Backhoe 1.5m3	man. day	0.3	3		0	33			. 0	9,90
Sub Total									0	38. 52
Equipment										
Backhoe 1.5m3	day	0.3	3				19, 440	0	5,832.00	C
Tampa 60kg	day	0.3	3				212, 40	0	63.72	C
1 · · ·						·	·		5, 896	C
1		· · · · · · · · · · · · · · · · · · ·					Total		5, 896	206
							Unit Price p	er No.	5, 895. 72	206. 11
INDIRECT COST						<u></u>		15%	884.36	30. 92
									6,780	237.02
	Sub Total Labor Foreman Labor Backhoe 1.5m3 Sub Total Equipment Backhoe 1.5m3 Tampa 60kg Sub Total	Sub Total Labor Foreman man. day Labor man. day Backhoe 1. 5m3 man. day Sub Total Equipment Backhoe 1. 5m3 day Tampa 60kg day Sub Total INDIRECT COST	Sub Total Labor Foreman man. day 0.3 Labor man. day 1.2 Backhoe 1.5m3 man. day 0.3 Sub Total Equipment Backhoe 1.5m3 day 0.3 Tampa 60kg day 0.3 Sub Total INDIRECT COST	Sub Total Labor Foreman man. day 0.3 Labor man. day 1.2 Backhoe 1.5m3 man. day 0.3 Sub Total Equipment Backhoe 1.5m3 day 0.3 Tampa 60kg day 0.3 Sub Total	Sub Total Labor Foreman man. day 0.3 Labor man. day 1.2 Backhoe 1.5m3 man. day 0.3 Sub Total Equipment Backhoe 1.5m3 day 0.3 Tampa 60kg day 0.3 Sub Total INDIRECT COST	Sub TotalLaborForemanman. day0.3Laborman. day1.2Backhoe 1.5m3man. day0.3Sub TotalEquipmentBackhoe 1.5m3day0.3Tampa 60kgSub TotalINDIRECT COST	Sub TotalImage: Sub TotalImage: Sub TotalLaborman. day0.3038.20Laborman. day1.2014.30Backhoe 1.5m3man. day0.3033Sub TotalEquipmentEquipment033Backhoe 1.5m3day0.3033Tampa 60kgday0.3033Sub TotalINDIRECT COSTINDIRECT COSTIndirect Cost	Sub Total Laborman. day0.3038. 20Foremanman. day0.3014. 30Laborman. day1. 2014. 30Backhoe 1. 5m3man. day0. 3033Sub TotalEquipment19, 44019, 440Backhoe 1. 5m3day0. 319, 440Tampa 60kgday0. 3TotalSub TotalImage: Sub TotalImage: Sub TotalImage: Sub TotalTotalINDIRECT COST	Sub Total Laborman. day0.3038.20Foreman man. day0.3038.20Labor man. day1.2014.30Backhoe 1. 5m3 Sub Total0330Equipment Backhoe 1. 5m3 tampa 60kg0.319,4400Zuz 400212.400Sub Total03319,4400INDIRECT COST15%	Sub Total man. day 0.3 0 38. 20 0

### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

4C04103

Lean Concrete

### FC: YEN LC: US\$

### Total estimate for 1 No.

Lean Concrete						LC 030			TOTAL COTING	
No Work Item	Unit	Quantity		· · · · · · · · · · · · · · · · · · ·	Basi	c Price			Unit	Cost
•			Mat	erial	La	abor	Equip	ment	Amo	int
			FC FC	LC	FC	LC	FC	LC	FC	LC
1 Material										
Ready mixed concrete	m3	8.30	0	65.00					0	540
Wasted concrete(1.5%)	m3	0.12	0	65.00					0	8
Fuel Concrete mixer 0.	6m3 day	0.3	0	· 0 ·					• . • 0	0
" Generator 45KVA	day	0.3	. 0	24				'.	. 0	7
Sub Total									. 0	555
2 Labor						· ·		· · · ·		
Foreman	man. day	0, 3			· · · · 0	38.20			0	11
Labor	man. day		1		0	14.30				17
Concrete mixer 0.6m3	day	0.3	L		0	33		· · ·	· 0	10
Generator 45KVA	day	0.3			0	33			0	10
	uay								. 0	48
Sub Total						· .				20
3 Equipment				· · ·		• • •	6, 480	. 0	1944	0
Concrete mixer 0.6m3	day	0.3				•			324	0
Generator 45KVA	day	0.3	l	•			1,080	0		. •
Vibrator	day	0.3					120	0	36	0
Sub Total									2, 304	0
		·			· · ·		Total		2, 304	603
			·	· · ·			Unit Price p		230. 40	60.31
INDIRECT COST								15%	34. 56	9, 05
TOTAL		· ·		•				1. T	265	69.36

LA	UNION	PORT	DEVELOPMENT	PROJECT	

4C04104

FC: YEN LC: US\$

Rei	gnf	fore	ceme	nt.

No	Reignforcement Work Item	Unit	Quantity			Basi	c Price			Unit	Çost
					erial	La	abor	Equip	ment	Алоз	unt
			[	FC	LC	FC	LC	FC	LC	FC	LC
1	Material			:							
	Steel bar	ton	11.20	· 1. 0	360.00					0	4, 03
	Wasted steel bar(1.5%)	ton	0, 17	0	360.00		1			0	6
	Fuel Truck crane 16t	day	. 6	··· · 0	.77					0	45
	" Truck. 8t	day	6	0	80					0	47
	" Generator 45KVA	day	8	0	24	· · ·				. 0	19
	Sub Total	1.1.1								. 0	5, 22
1	2 Labor					· · · · ·					
	Foreman	man. day	8	l	19	0	38,20			· 0	30
	Labor	man. day	80			0	14.30			. 0	1, 14
	Welder	man. day	16			0	23.09			· 0	36
	Truck crane 16t	man. day	6			0	33			- 0	19
•	Truck St	man. day	6		· ·	0	33	1. A. 1. A. 1.		. 0	19
	Generator 45KVA	man. day	. 8			. 0	33			• 0	26
	Sub Total									· 0	2, 47
	3 Equipment										
	Truck crane 16t	day	6					9, 480	0	56880	÷
	Truck 8t	day	6					3, 480	. 0	20, 880	
	Generator 45KVA	day	. 8			· ·		1,080	0	8, 640	
	Bar cutter	day	. 6	i				120	). 0	720	1. A 1. A 1.
	Bar bender	day	6	5				120	0	720	
•	Sub Total									87, 840	
			-					Total		87, 840	7,70
							· .	Unit Price	per No.	87, 840. 00	7, 700. 3
	INDIRECT COST		·						15%	13, 176. 00	1, 155. (
	TOTAL									101,016	8, 855. 3

LA UNION PORT DEVELOPMENT PROJECT

4C04105

FC: YEN 101-1150

	Cover, corner angle and	i others	s for Man	hole		·	LC: US\$			Total estimat	
No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
	. •			Mat	erial	L	abor	Equip	ment	Amo	unt
				FC	rc	FC	LC	FC	LC	FC	LC
1	Material										
	Non return valve and other	Nos	1	1, 296, 000	0					1296000	0
•	Cast iron cover	Nos	3	0	117.6					0	353
	Non corrosive metal mesh	Nos	1	0	11					0	- 11
	Steps	кg	35	D	0. 54					0	19
	Ventilation pipe Dia. 100x2	Nos	2	0	80					0	160
	Coner angle	kg	310	0	0.36					0	- 112
	Wasted corner angle(2%)	kg	6.2	0	0, 36					0	2
	Miscellaneous	L. S.	1	0	2, 28					0	2
	Fuel Truck St	day	1.2	0	80					· · 0	96
	Generator 45KVA	day	2.3	. 0	24					0	. 55
	Sub Total				н. 1					1296000	809
2	Labour								· ·		
	Foreman	man. day	2.3			0	38.20			0	88
	Labor	man. day	20			0	14.30			0	286
	Welder	man. day	5			0	23.09			· 0	115
	Truck St	man. day	1.2			. 0	33			· 0	40
	Generator 45KVA	man. day	2.3			0	33			0	76
	Sub Total									· 0	605
3	Equipment										
	Truck St	day	. 1. 2					3, 480	. 0	4, 176	
	Generator 45KVA	day	2.3		н. 1			1,080	· 0	2, 484	
	Welder 300A	day	2.3					120	0	276	
	Other equipment	L. S.	· 1					139	0	139	
	Sub Total							L	<u> </u>	7,075	
		1. 1.						Total		1, 303, 075	1, 414
	·					· · ·		Unit Price		1, 303, 074, 72	1, 414. 13
	INDIRECT COST								15%	<u> </u>	212. 12
	TOTAL									1, 498, 536	1, 626. 25

	LA UNION PORT DEVELOPME	MAI LUOJ	L01				DOL VON	4.1			
	4C04106			· ·			FC: YEN LC: US\$			Total estimat	e for 1 No
	Concrete Placing						c Príce			Unit C	
No	Work Item	Unit	Quantity		erial		abor	Equip	nent	Amou	
	· · · · · · · · · · · · · · · · · · ·	· ·		FC	LC	FC	LC	FC	LC	FC	LC
	Material										
		m3	186.00	0	70.00					0	13, 020
		m3	4.68	0	70.00					0	328
	Formwork	m2	724	0	5.50		1			· 0	3, 982
	Fuel Truck crane 16t	day	4	. 0	77					0	306
	" Concrete mixer 0.6m	} .	4	- 0	0					0	C
•	" Generator 45KVA	day .	4.0	0	24					· 0	95
•	Sub Total	uay					et e			0	17, 731
9	Labour			1.5							
2	Foreman	man. day	4			0	38.20			0	15:
	Labor	man. day				0	14. 30			0	855
	Truck crane 16t	man. day				0	33			<u> </u>	135
	Concrete mixer 0.6m3	man. day				· · 0	33			0	13:
	Generator 45KVA	iman. day				0	33			0	13:
	Sub Total									0	1,401
3	Equipment					]					
	Truck crane 16t	day	4					9, 480	0	37,920	
	Concrete mixer 0.6m3	day	4					6, 480	0	25, 920	
	Generator 45KVA	day	4					1, 080	· 0	4, 320	
	Vibrator	day	8					120	0	960	
	Sub Total								<u> </u>	69, 120	
·	•							Total		69, 120	19, 13
								Unit Price p		69, 120. 00	19, 137. 6
	INDIRECT COST								15%	10, 368. 00	2, 870. 6
	TOTAL						· · · · ·			79, 488	22, 008. 3

.

LA UNION PORT DEVELOPMENT PROJECT

.

LA UNION PORT DEVELOPMENT PROJECT

4C04107

Backfill sand & Compaction

FC: YEN LC: US\$

Total estimate for 1 No.

No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost
				Mate	rial	· L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC LC	FC -	LC	FC	LC
i	Material										
	Backfill sand	m3	1700	0	0.00					0	0
	Wasted Backfill sand (25%)	m3	0	0	0.00					. 0	0
	Fuel Backhoe 1.5m3	day	3	· 0	170					0	510
	" Tire roller 8-20t	day	. 3.0	. 0	55			· · ·		0	165
	" Tampa 60kg	day	3.0	. 0	. 2					. 0	5
1 A. A.	Sub Total				н н					0	680
2	Labour										
	Foreman	man. day	3			0	38.20			. 0	115
	Labor	man. day	12			0	14.30			. 0	172
	Backhoe 1.5m3	man. day	4	· · ·		. 0	33			· 0	132
	Tire roller 8-20t	man. day	4			. 0	33			0	132
	Sub Total					· · ·				. 0	550
- 3	Equipment							-			
	Backhoe 1.5m3	day	4					19, 440	0	77, 760	. 0
	Tire roller 8-20t	day	4					3, 360	· 0	13, 440	0
	Tampa 60kg	day	4					212	0	· · · · 850	. 0
	Sub Total									92, 050	0
	· · · · · · · · · · · · · · · · · · ·							Total		92, 050	1, 230
				· · · ·				Unit Price	per No.	92, 049. 60	1, 230. 45
	INDIRECT COST			1 1 J					15%	13, 807. 44	184. 57
	TOTAL		1. A. 1							105, 857	1, 415. 02

LA UNION PORT DEVELOPMENT PROJECT

4C041

Truck crane 16t per day

FC: YEN LC: US\$

No	Truck crane 16t per da Work Item	7	Quantity	-		Basic Pri	се			Unit Cost	· · · · · · · · · · · · · · · · · · ·
	NOIN I VOM		1	Material	:	Labor		Equipment		Amount	
<b>]</b> .				FC ·	LC	FC	LC	FC	LC	FC	LC
1	Material					1. A.					
	Fuel & Lubricant	lr.	232.00	· c	0. 33		· · ·			0	. 77
	Others	L.S.	1	. c	0.00					0	0
	Sub Total									0	77
				1							
2	Labor										
1	Operator	man. day	1			· c	33. 00			0	33
	Others	L. S.	· · 1		1	) c	0, 00			0	· 0
	Sub Total	1.								0.	33
	Bequipment							•	-		
	Truck with crane St	day		· ·		н. Настанование и странование и странование и странование и странование и странование и странование и странование При странование и страновани		9480	(	9,480	c
	Sub Total				. · ·					9, 480	c c
								· ·			
1	Total									9, 480	110

4C041-1

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

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C041

Truck 8t per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	ce	- ·	Unit Cost	. *
			3	Material		Labor		Equipment	Amount	
				FC	LC	FC	LC	FC LC	FC	LC
1	Material									
	Fuel & Lubricant	lr.	233.00	0	0.33				C	77
	Others	L. S.	1	. 0	3.00				C	3
:	Sub Total								. 0	80
			· .						· ·	
2	Labor		1.1.1.1							
. • .	Operator	man.day	1			0	33.00		0	33
•	Others	L. S.	- 1			0	0.00		0	0
	Sub Total								0	33
. 3	Equipment						1			
	Truck 8t	day	. 1			1. S		3480	0 3, 480	
	Sub Total			·					3, 480	· · ·
										н на селото на селот Селото на селото на се
	Total								3, 480	113
·	la de la companya de			1 · · ·	· .					

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

360

4C041-2

### LA UNION PORT DEVELOPMENT PROJECT

4C041

361

Dump truck 10t /day

FC: YEN LC: US\$

	Dump truck 10t /day	1	1.	1			LC- 033	<u> </u>		Unit Coat	
No	Work Item	Unit	Quantity		· · ·	Basic Pri		: T		Unit Cost	
·		1 Carl		Material		Labour		Equipment		Amount	
				FC	LC.	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	309.00	· 0	0.33			1		0	102
	Others	L. S.	1	· 0	3.00			1		0	3
1.1	Sub Total	1		· .						0	105
-2	Labour			-							
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	1			- 0	0.00		· ·	0	0
. *	Sub Total				2					0	33
											· ·
3	Equipment										
	Dump truck 10t	day	. 1					6720	0	6, 720	0
	Sub Total	:		ļ						6, 720	0
	Total									6, 720	138
					· · ·						

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

LA UNION PORT DEVELOPMENT PROJECT

4C041

N

Generator 45KVA per day

## FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	се			Unit Cost	
				Material		Labour	· .	Equipment		Amount	
				FC	LC	FC	LC	FC LC		FC .	LC
I	Material										. · · · ·
	Fuel & Lubricant	lr.	72.00	. c	0.33				. •	0	24
	Others	L. S.	. 1	c	0,00				•	0	0
	Sub Total		ан 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 -			· · ·	21. 1			Q	24
						1997) 1997 - 1997					
2	Labour				· .						4.
•	Operator	man. day	1			0	33.00		· · ·	0	33
	Others	L. S.	1			0	0.00			· · 0	0
	Sub Total		· ·							0	33
							la de la composición de la composición La composición de la c				
. 3	Equipment										
	Generator 45KVA	day	1					1080	0	1,080	. 0
	Sub Total									1,080	. 0
н н										4	
	Total						. · · · ·			1,080	57
	· · · · · · ·				· ·						

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

LA UNION PORT DEVELOPMENT PROJECT

40041

FC: YEN

No	Backhoe 1.5 m3 Work Item	per day		Quantity	Г <sup></sup>	<u> </u>	Basic Pr	LC: US\$ ice	·	· .	Unit Cost	
NO	TOLK ICEM		onio	1	Material		Labour	· · ·	Equipment		Amount	
			· -		FC	LC	FC	LC		LC	FC L	.0
	Material											
•	Fuel & Lubricant		lr.	509,00		0 0.3	3				0	168
	Others		L. S.	. 1		0 2.0	D				0	2
	Sub Total			· ·							0	170
	2 Labour		-									
	Operator		man. day	1			(	33. 00			0.	33 -
	Others		L. S.	1			(	. 0.00			0	0
	Sub Total										· 0 ·	33
	3 Equipment		1								10 440	(
	Backhoe 1.5m3		day	. 1					19440		) 19, 440	
	Sub Total										19, 440	Ĺ
	Total	· .									19, 440	203

Fuel & Lubricant: 303ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C041

Tire roller 8-20t per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	се			Unit Cost	
		· · .	· .	Material	·.	Labour		Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material				· · ·	- 1					
	Fuel & Lubricant	1r.	161.00	0	0.33			· · ·		. 0	53
	Others	L. S.	1	0	2.00					0	2
-	Sub Total									0	55
		l									
2	Labour										
	Operator	man.day	1			. 0	33.00	1 · .		0	. 33
	Others	L. S.	1			0	0.00			0	0
	Sub Total	ŀ								0	33
3	Equipment										
		day	<u> </u>					3360	. 0	3, 360	· 0
	Sub Total									3, 360	· 0
	Total									3, 360	88

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

4C041-6

LA UNION PORT DEVELOPMENT PROJECT

40041

Tampa 60-100kg per day

FC: YEN LC: US\$

No	Tampa 60-100kg per da Work Item	1	Quantity			Basic Pri	ce			Unit Cost	
				Material		Labour	· .	Equipment		Amount	
•				FC	LC .	FC	LC	FC L	LC	FC	LC
· · ]	Material										
•	Fuel & Lubricant	lr.	5.00	0	0.33	н				0	2
l	Others	L. S.	1	. 0	0.00					0	0
	Sub Total									. 0	2
			1. A.								
	Labour										
	Operator	man. day	· ', 1			0 1	33.00	)		0 -	33
. •	Others	L. S.	1			0	0.00			. 0	0
	Sub Total									0	33
. :	Equipment								÷.,		
	Tampa	day						212. 4	C	212. 40	( o
	Sub Total									212.40	0
	000 10001					· .					
	Total			ļ						212.40	35
	IOLAT	1									

4C041-7

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

LA UNION PORT DEVELOPMENT PROJECT

40041

366

Concrete Mixer 0.6m3 per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Basic Pr	ce			Unit Cost	
				Material		Labour		Equipment		Amount	
				FC	LC	FC .	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	1r.	0	- c	0, 33					0	0
	Others	L. S.	1	. c	0.00	· ·				0	0
	Sub Total									. 0	0
2	Labor						· · · ·				
	Operator	man. day	1			0	33.00	)		0	33
	Others	L. S.	1			. 0	0.00			. 0	·. O
	Sub Total									0	33
	•	· ·			· · ·						[
3	Equipment										
	Concrete Mixer 0.6m3	day -	1	•				6480	· · C	6, 480. 00	0
	Sub Total									6, 480. 00	0
•	Total									6, 480. 00	33
	n and the second se		· · · ·			a î e					

4C041-8

LA UNION PORT DEVELOPMENT PROJECT

4C041

FC: YEN

Generator	100KVA	per	day

LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	ce		Unit Cost	
				Material		Labour	· · · ·	Equipment	Amount	
					LC	FC	LC	FC LC	FC	LC
1	Material Fuel & Lubricant	lr.	157.00	- 0		1			. (	52
	Others Sub Total	L. S.	1	. 0	<b>0.00</b>				(	) 52
2	Labour Operator Others	man. day L. S.	· 1			0	33. 00 0. 00		0	33 0 33
Ş	Sub Total B Equipment Generator 100KVA	day	- 1					1800	0 1,800	
	Sub Total Total								1, 800	

Fuel & Lubricant: 125ps x 0.2 x 6 x 1.05

#### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

#### 4C042

### OIL SEPARATOR (Route B)

### FC: YEN LC: US\$

### Total estimate for 1 No.

No	Work Item	Unit	Quantity	Basic P:	rice	Unit C	ost
				· · ·		Amour	nt
• • •				FC	LC	FC	LC
4C04201	Excavation & Disposal	Nos.	]	474, 322. 56	10, 306. 56	474, 323	10, 306. 56
4004202	Crushed Stone for Foundation	Nos.	j	6, 780. 08	263.72	6, 780	263.72
4C04203	Lean Concrete	Nos.	1	264.96	83. 02	265	83. 02
4C04204	Reinforcement & Flap Valve	Nos.	· ]	101, 016. 00	9, 666. 35	101, 016	9, 666. 35
4C04205	Corner Angle	Nos.	1	1, 498, 535. 93	1, 626. 25	1, 498, 536	1, 626. 25
4C04206	Concrete Placing	Nos.	· ]	88, 803. 00	25, 654. 02	88, 803	25, 654. 02
4C04207	Backfill Sand & Compaction	Nos.	1	105, 857. 04	1, 785. 49	105, 857	1, 785. 49
· .	Total					2, 275, 580	49, 385. 42
	· • • • • • • • • • • • • • • • • • • •			Unit Price per No.		2, 275, 580	49, 385. 42

						•			•			
LA UNION PORT DEVELOPME	NT PROJEC	CT ; TO										
4C04201						FC: YEN	1. 		-			
Excavation & Disposal f	or Oil Se	eparator		1		LC: US\$	· · ·	•	Total estimat	te for 1 No.		
o 🔹 Work Item	Unit	Quantity			В	asic Price			Unit	Cost		
			Mate	rial ·		Labor	Equip	ment	Amou	int	-	
•			FC	LC	FC	LC	FC	LC	FC	LC	1	
1 Material												
Excavation & Disposal	m3	2923	0	0, 00	•				. 0	0		
Steel sheet pile(5%)	ton	58	o	35.00			1. I. I.		0	2, 030		
Other materials	ton	5.8	o	35.00					0	203		
Fuel Backhoe 1.5m3	day	.7	. 0	170				_	. 0	1, 190	I	
" Dump truck 10t	day	28	0	···· <sup>1</sup> 105					0	2, 939		.*
". Truck crane 16t	day	. 4	0	. 77					0	306	I	
" Generator 100KVA	day	4	0	52		i de la compañía de la			· 0	207		
Sub Total									. 0	6, 875		
2 Labor												
Foreman	man. day	. 7				0 38.20		•	. 0	267	1	
Labor	man. day	28				0 14.30			. 0	400		
Backhoe 1.5m3	man. day	7			· (	33	1		0	231		
Dump truck 10t	man. day	28				33		·· .	0	924	1	
Truck crane 16	man. day	. 4			· · ·				0	132		
Generator 100KVA	man. day	4			(		÷ .	· .	0	132	ĺ	
Sub Total									· 0	2,087		
3 Equipment												
Backhoe 1.5m3	day	7					19, 440	· 0	136, 080	0	- 14 	
Dump truck 10t	day	- 28					6, 720	0	188, 160	0		
Truck crane 16	day	4					9, 480	0	37, 920	0	l	
Generator 100KVA	day	. 4					1,800	0	7, 200	0		
Vibrohammer 60kw	day	4					10, 560	0	42, 240	0		
Submersible pump 80mm	day	4					213.60	0	854	0		
Sub Total		·							412, 454	0		
	<u> </u>	·		<b></b>			Total		412, 454	8, 962	ĺ	
	· .						Unit Price p	oer No.	412, 454. 40	8, 962. 23	l	
INDIRECT COST								159	61, 868, 15	1, 344. 33	l	
TOTAL									474, 323	10, 306. 56		

369

---

•

LA UNION PORT DEVELOPMENT PROJECT

4C04202

Crushed stone for Foundation of Oil Separator

FC: YEN LC: US\$

Total estimate for 1 No.

No Work	Item	Unit	Quantity				Bas	ic Price	· · · · ·	1 - 1-	Unit	Cost
•					Mate	erial	L	abor	Equip	ment	Amo	unt
				FC		LC	FC	LC	FC	LC	FC	LC
1 Material												
Crushed ston	e	m3	21.60		0	5.16					0	111.46
Wasted crush	ed stone (25%	) m3	5.40		0	5.16	· ·				0	27.86
Fuel Backhoe	1.5m3	day	0.3		0	170					0	50.99
" Tampa	60kg	day	0.3	a.	0	2					0	0.50
Sub Total		1. · · ·									0	190.81
2 Labor												
Foreman		man. day	0.3	н. 1947 - С.	1		. 0	38.20	)		0	11.46
Labor	- - -	man. day	1.2				· · 0	14.30			0	17.16
Backhoe 1.5m	3	man. day	0.3	-			. 0	33			. Oʻ	9.90
Sub Total											· 0	38.52
3 Equipment	•						:					
Backhoe 1.5m	3	day	0.3	•				· · · ·	19, 440	· 0	5, 832. 00	
Tampa 60kg		day	0.3						212. 40	0	63.72	
Sub Total	· · · · ·	· · .			·				÷	· · ·	5, 896	÷
· · ·			• <u>•</u> ••••••••••••••••••••••••••••••••••			· · ·			Total		5, 896	229
	4		•				·		Unit Price p	per No.	5, 895. 72	229.33
·INDIRECT CO	ST								· · ·	15%	884.36	34.40
TOTAL	la de la companya de						·.·		·		6, 780	263.72

### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

· 4C04203

.

FC: YEN

	Lean Concrete						LC: US\$			Total estimate	e for 1 No.
No	· Work Item	Unit	Quantity			Basi	ic Price			Unit (	Cost
				Mat	erial	L	abor	Equip	nent	Amou	· · · · · · · · · · · · · · · · · · ·
				FC	LC	FC	LC	FC	LC	FC	LC
.1	Material						- · ·				
	Ready mixed concrete	m3	10.10	0	65.00					0	657
	Wasted concrete(1.5%)	m3	0.15	0	65.00				1. A.	0	10
	Fuel Concrete mixer 0.6m3	day	0, 3	0	. 0					.0	. 0
	" Generator 45KVA	day	0.3	0	24					0	7
	Sub Total			-						0	673
2	Labor										
	Foreman	man. day	0.3			· 0	38.20			0	11
÷	Labor	man. day	1.2			· 0	. 14. 30			0	17
	Concrete mixer 0.6m3	day	0.3			0	33			0	10
	Generator 45KVA	day	0.3			0	33			0	10
	Sub Total									··· 0	48
3	Equipment										
	Concrete mixer 0.6m3	day	0.3					6, 480	0	1944	0
	Generator 45KVA	day	0.3	•				1,080	0	324	0
	Vibrator	day	0.3					120	0	36	0
	Sub Total	· · ·		· .						2, 304	0
		•						Total		2, 304	722
								Unit Price p	ber No.	230.40	72.19
	INDIRECT COST		<u> </u>						15%	34. 56	10.83
	TOTAL									265	83. 02

LA UNION PORT DEVELOPMENT PROJECT

4004204

#### FC: YEN

	Reignforcement	· .					LC: US\$		· ·	Total estima	te for 1 No.
No	Work Item	Unit	Quantity			Basi	ic Price	· · · ·		Unit	Cost
			Γ	Mate	rial	L	abor	Equip	ment	Amo	unt
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Steel bar	ton	13. 13	· 0	360.00					. 0	4, 727
	Wasted steel bar(1.5%)	ton	0.20	0	360.00					0	7:
	Fuel Truck crane 16t	day	6	0	77					0	459
	" Truck St	day	6	0	80					0	479
	" Generator 45KVA	day	8	0	24					0	190
	Sub Total	1								· 0	5, 926
2	Labor										•
	Foreman	man.day	8			0	38.20			0	306
	Labor	man. day	80			0	14.30			0	1,14
	Welder	man. day	16			. 0	23.09			0	36
	Truck crane 16t	man. day	6			0	33			0	193
	Truck St	man. day	6			0	. 33			0	19
	Generator 45KVA	man. day				0	33			0	26
	Sub Total									0	2,47
	Equipment										
-	Truck crane 16t	day	6					9, 480	- 0	56880	
	Truck 8t	day	6	· · ·				3, 480	. 0	20, 880	
	Generator 45KVA	day	8					1, 080	. 0	8,640	
	Bar cutter	day	6					120	o	720	
	Bar bender	day	6			-		-120	. 0	720	
	Sub Total					1				87, 840	
		- <b>I</b>	<u>.                                    </u>					Total		87, 840	8, 40
		· .			ч.		. •	Unit Price p	per No.	87, 840. 00	8, 405. 5
	INDIRECT COST						· · · ·		15%	13, 176. 00	1, 260. 8
	TOTAL									101, 016	9, 666. 3

									•		
	•										
	· · · · · · · · · · · · · · · · · · ·					•					
	LA UNION PORT DEVELOPM	ENT PROJ	TECT		· . · . ·						
	4C04205						FC: YEN	1. A.	·		
	Cover, corner angle and	d others	s for Manh	nole			LC: US\$			Total estima	e for 11
No		1	Quantity			Bas	ic Price			Unit	
				Ма	terial	1	abor	Equip	sent	Ато	
				FC	LC	FC	LC	FC	LC	FC	LC
	1 Material						1 N				
	Non return valve and other	Nos	1	1, 296, 00	0 0					1296000	i
	Cast iron cover	Nos	3		0 117.6					0	3
	Non corrosive metal mesh	Nos	1		0 11					0	
	Steps	kg	35		0 0.54					0	ĺ
	Ventilation pipe Dia. 100x	Nos	2		0 80					0	1
1:	Coner angle	kg	310		0 0.36					. 0	
. 1	Wasted corner angle(2%)	kg .	6. 2		0 0.36					0	
	Miscellaneous	L. S.	1		0 2.28					· 0	
	Fuel Truck St	day	1, 2		0 80					. 0	
l.	Generator 45KVA	day	2.3		0 24					0	
	.Sub Total									1296000	8
	2 Labour						1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	÷			
	Foreman	man. day	2.3			. (	38.20	1		. 0	
	Labor	man. day	20				14.30			0	2
1	Welder	man. day	5				0 23.09	Э		. 0	
	Truck St	man, day	1.2		ł	0	}			0	
	Generator 45KVA	man. day	2.3			0	33			0	
	Sub Total		1							0	
	3 Equipment										
	Truck St	day	1, 2	ŀ		Į		3, 480	0	4, 176	
	Generator 45KVA	day	2.3					1,080	0	2,484	
	Welder 300A	day	2.3					120	. 0	276	
	Other equipment	L. S.	1					139	0	139	
	Sub Total	1	<u> </u>	1			<u> </u>	<u> </u>	1	7,075	
							•	Total	· •	1, 303, 075	1,-
								Unit Price		1, 303, 074. 72	1, 414.
	INDIRECT COST								15%		212
	TOTAL									1, 498, 536	1, 626.

• .

LA UNION PORT DEVELOPMENT PROJECT

. . .

4C04206

#### FC: YEN 1100

No	Concrete Placing Work Item	Unit	Quantity				LC: US\$ c Price			Unit	Cost
110	NOLK LUCH		QUALICITY	Mat	erial		ibor	Equip	∎ent	Amou	
•				FC	LC	FC	LC	FC	LC	FC	LC
	Material	<u> </u>									
		m3	219.00	0	70.00					0	15, 3
	Wasted concrete (5%)	m3	4.68	. 0	70, 00				·	0	- 3:
	Formwork	m2	838	0	5.50					0	4,60
		day	4.5	0	77					0	. 34
	Concrete mixer 0.6m	1	4.5	0	0					0	
		day	4.5	0	24					0	14
	Sub Total									0	20,7
2	Labour										
	Foreman	man. day	4.5	. [		0	38.20			0	·· 1
	Labor	man. day	68.0			0	14.30			. 0	9
	Truck crane 16t	man. day	4.5			0	33			0	14
	Concrete mixer 0.6m3	man. day	4.5			0	33		· .	0	. 1
	Generator 45KVA	man. day	4.5			0	33			. 0	1.
	Sub Total	· ·								. 0	1, 5
3	Equipment										
	Truck crane 16t	day	4.5					9, 480	0	42, 660	
	Concrete mixer 0.6m3	day	4.5	ĺ				6,480	0	29, 160	
	Generator 45KVA	day	4.5	·				1, 080	0	4, 860	
	Vibrator	day	4.5					120	0	540	
	Sub Total		<u> </u>						-	77, 220	
					1997 - A			Total		77, 220	22, 3
				<u> </u>	·	<u> </u>		Unit Price p		77, 220. 00	22, 307.
	INDIRECT COST	•							15%	11, 583. 00	3, 346.
	TOTAL									88, 803	25, 654.

.

LĄ	UNION	PORT	DEVEL	OPMENT	PROJECT

4C04207

:

Backfill sand & Compaction

FC: YEN LC: US\$

Total estimate for 1 No.

No . Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost
· · · · · · · · · · · · · · · · · · ·			Mater	ial	Li	abor	Equip	ment	Amou	nt
		·	FC	LC	FC	LC	FC	LC	FC	LC
1 Material										
Backfill sand	m3	2305	. 0	0.00			3		. 0	0
Wasted Backfill sand (25%)	m3	0	0	0. 00		÷			0	0
Fuel Backhoe 1.5m3	day	4	0	170					0	680
" Tire roller 8-20t	day	4.0	· 0	55					0	221
" Tampa 60kg	day	4.0	0	2					0	7
Sub Total									0	907
2 Labour									l l	
Foreman	man. day	4			0	38.20			0	153
Labor	man, day	16			0	14.30			0	229
Backhoe 1.5m3	man. day	4	-		. 0	- 33			0	132
Tire roller 8-20t	man. day	4	ļ		0	33			0	132
Sub Total									0	646
3 Equipment										
Backhoe 1.5m3	day	4					19, 440	0	77,760	(
Tire roller 8-20t	day	4					3, 360	· 0	13, 440	
Tampa 60kg	day	4					212	0	- 850	
Sub Total						·		<u> </u>	92, 050	
							Total		92, 050	1, 553
							Unit Price	per No.	92, 049. 60	1, 552. 60
INDIRECT COST								15%	13, 807. 44	232. 89
TOTAL									105, 857	1, 785. 49

LA UNION PORT DEVELOPMENT PROJECT

4C042

376

Truck crane 16t per day

### FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	се			Unit Cost	
				Material		Labor	at a star	Equipment		Amount	
	ца			FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	1r.	232.00	. (	0.33					· 0	77
	Others	L. S.	1	(	0.00					0	· 0
	Sub Total									. 0	77
•		ļ						. •			
2	Labor										
	Operator	man. day	1			0	33.00			0	33
	Others	L. S.	1			0	0.00			0	· 0
	Sub Total							н. Пология По		0	33
•											
3	Equipment										
1.1	Truck with crane 8t	day	1					9480	0	9, 480	0
	Sub Total									9, 480	0
	Total		<b>.</b>							9, 480	110
ĺ				. 1							

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

100ps x 0.2 x 6 x 1.05

4C042-1

### LA UNION PORT DEVELOPMENT PROJECT

4C042

FC: YEN

l Mater	rial & Lubricant ers	Unit lr. L.S.		Material FC 0	LC	Basic Pri Labor FC	LC	Equipment FC	LC	Amount FC	LC
Fuel Other	& Lubricant ers			FC 0	LC	FC	LC		LC	FC	LC
Fuel Other	& Lubricant ers		233.00 1	-	0.33						
Other	ers		233.00 1	-	0.33						
	1	L. S.	1							. 0	77
Sub 1	Total			0	3.00					0	- 3
								i.		0	80
2 Labor	r									1. S.	
Opera	ator	man. day	· 1			C	33.00			0	33
Other	ers	L. S.	. 1			Ċ	0.00			0	0
Sub 1	Total						· · ·			0	33
			· · ·								
3 Equip	pment										
		day	1					- 3480	. C	3, 480	C
	Total									3, 480	C
			1								
Tota	1									3, 480	113

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

### LA UNION PORT DEVELOPMENT PROJECT

4C042

378

Dump truck 10t /day

### FC: YEN LC: US\$

No	Work Item	Unit	Quantity	[		Basic Pri	ce	. :		Unit Cost	
				Material	···· ···	Labour	-w	Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material						· · · ·				
	Fuel & Lubricant	1r.	309.00	(	0.33					· 0	102
	Others	L. S.	1		3.00					0	3
	Sub Total									0	105
•								1			
2	Labour							· · ·			
	Operator	man. day	1			. 0	33.00			. 0	33
	Others	L. S.	· · 1			0	0.00		· .	Ö '	0
	Sub Total									· 0	33
· ·											
3	Equipment										
• .	Dump truck 10t	day	· 1					6720	. 1 0	6, 720	0
	Sub Total			1		•				6,720	0
۰.			}								
	Total					· · .				6, 720	138
•									· · · · ·		

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

LA UNION PORT DEVELOPMENT PROJECT 4C042

FC: YEN

No	Work Item	Unit	Quantity				Basic Pri	ce	· .			Unit Cost	
				Mat	erial		Labour		Equip	pment		Amount	
				FC		LC	FC	LC	FC		LC	FC	LC
	l Material												
	Fuel & Lubricant	lr.	72.00	ľ	0	0. 33						0	24
	Others	L. S.	. 1		0	0.00	· · · ·					0	0
	Sub Total											0	24
			}										
•	2 Labour			·						- •	· ·		
	Operator	man. day	1				· · 0	33.0	0			0	33
	Others	L. S.	1	1		[	0	0.0	0			0	0
	Sub Total											0	33
				1									
	3 Equipment												
	Generator 45KVA	day	1							1080	o	1,080	
	Sub Total	,										1, 080	
•	Total											1,080	57

4C042-4

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

LA UNION PORT DEVELOPMENT PROJECT

4C042

380

Backhoe 1.5 m3 per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity			Basic Price		Unit Cost
				Material		Labour	Equipment	Amount
			· ·	FC	LC	FC LC	FC LC	FC LC
1	Material							
•	Fuel & Lubricant	lr.	509.00	. 0	0. 33			0 168
۰.	Others	L. S.	1	0	2.00			. 0 2
	Sub Total							0 170
			1					
2	Labour	1						
	Operator	man.day	1		1.	0 33.00		0 33
Ň	Others	L. S.	1			0 0.00		0 0
	Sub Total			+				0 33
. 3	Equipment	· .	· · ·					
	Backhoe 1.5m3	day	1				19440 0	19,440 0
	Sub Total							19, 440 0
	n an		· · · ·					
	Total				· ·			19, 440 203
					· · · · ·			

Fuel & Lubricant: 303ps x 0.2 x 8 x 1.05

4C042-5

LA UNION PORT DEVELOPMENT PROJECT

4C042

FC: YEN

No	Tire roller 8-20t per Work Item	1	Quantity	· · · ·		Basic Pric	е	-		Unit Cost	
		1	1	Material		Labour	· · · · · · · · · · · · · · · · · · ·	Equipment		Amount	
· *.			1. A.	FC	LC		.C	FC	LC	FC	LC
	Material						· · ·		-		
	Fuel & Lubricant	lr.	161.00	l c	0, 33					0	53
•	Others	L. S.	1	c	2.00					0	2
	Sub Total									0	55
· .	Labour										
	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						3360	- · · c	3, 360	. 0
	Sub Total									3, 360	0
	Total									3, 360	. 88

4C042-6

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

LA UNION PORT DEVELOPMENT PROJECT

4C042

382

Tampa 60-100kg per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	се			Unit Cost	
				Material		Labour	· · · · · · · · · · · · · · · · · · ·	Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material	1									
	Fuel & Lubricant	lr.	5.00	0	0. 33					0	. 2
	Others	L. S.	1	0	0.00					0	0
	Sub Total									0	2
2	Labour										
	Operator	man. day	1	н. Т		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		0
1	Sub Total					· · .				212.40	0
	Total								i i i i i i i i i i i i i i i i i i i	212.40	35
. 1											:

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

4C042-7

### LA UNION PORT DEVELOPMENT PROJECT

	4C042						FC: YEN		1.1		
	Concrete Mixer 0.6m3	per day				· · ·	LC: US\$				
No	r	Unit	Quantity	[		Basic Pri	ce		-	Unit Cost	
				Materia	1	Labour		Equipment		Amount	
				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									0	0
				$(-1)^{-1}$						-	
. 2	2 Labor		en.								
	Operator	man. day	7 1			Ċ	33. 00			O	33
	Others	L. S.	1			C	0.00			. 0	0
	Sub Total					1				0	33
	Equipment										
	Concrete Mixer 0.6m3	day	1					6480	) (	6, 480. 00	(
	Sub Total									6, 480. 00	(
	Total		1							6, 480. 00	33
					· ·		1				

4C042-8

LA UNION PORT DEVELOPMENT PROJECT

4C042

384

Generator 100KVA per day

FC: YEN

LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	ce · · ·			Unit Cost	
•				Material	· .	Labour	· .	Equipment		Amount	
	а. Ф			FC	LC	FC	LC	FC	LC -	FC	LC
1	Material										
	Fuel & Lubricant	lr.	157.00	0	0.33	-				0	52
	Others	L. S.	· · 1	0	0.00			· .		· 0	o
	Sub Total									0	52
2	Labour		· ·			-					
	Operator	man.day	1			0	33.00			0	. 33
	Others	L. S.	1			0	0,00			0	0
	Sub Total									. 0	33
3	Equipment										
	Generator 100KVA	day	1					1800	o	1,800	0
· ·	Sub Total									1,800	0
1											
	Total								i.	1,800	85.
				1. A.							

Fuel & Lubricant: 125ps x 0.2 x 6 x 1.05

4C042-9

PORT REACTIVATION	PROJECT	IN	ĽA	UNION	PROVINCE
-------------------	---------	----	----	-------	----------

#### 4C043

### FC: YEN

	OIL SEPARATOR (Route C)				LC: US\$	Total estimate fo	or 1 No.	
No	Work Item	Unit	Quantity	Basic	Price	Unit Co	st	
				· · · · ·	· · ·	Amount		
				FC	LC	FC ·	LC	
4C04301	Excavation & Disposal	Nos.	1	474, 322. 56	10, 306. 56	474, 323	10, 306. 56	
4C04302	Crushed Stone for Foundation	Nos.	1	6, 780. 08	276.71	6, 780	276. 71	
4004303	Lean Concrete	Nos.	1	264.96	89.85	265	89, 85	
4C04304	Reinforcement & Flap Valve	Nos.	. I	101, 016. 00	9, 994. 11	101, 016	9, 994. 11	
4C04305	Corner Angle	Nos.	1	1, 498, 535. 93	1, 626. 25	1, 498, 536	1, 626. 25	
4004306	Concrete Placing	Nos.	1	88, 803, 00	27, 016. 77	88, 803	27,016.77	
4C04307	Backfill Sand & Compaction	Nos.	1	105, 857. 04	1, 785. 49	105, 857	1, 785. 49	
· · · · ·	Total	l se s			·	2, 275, 580	51,095.74	
	<u>, I </u>		· · · · · · · · · · · · · · · · · · ·	Unit Price per No.		2, 275, 580	51,095.74	

#### LA UNION PORT DEVELOPMENT PROJECT

	LA UNION FORI DEVELOPME	at raoje					FOL VEN					
	4C04301						FC: YEN			Total estima	to for 1 No	
	Excavation & Disposal f	1	1			~	LC: US\$					
No	Work Item	Unit	Quantity		<u>,                                     </u>		sic Price			Unit Cost Amount		
					erial		abor LC	1	pment LC	FC Amo	LC	
				, FC	LC	FC		FC		- <u>ru</u>		
	Material								1			
	Excavation & Disposal	m3	3056		· · · · · · · · · · · · · · · · · · ·					0	0	
	Steel sheet pile(5%)	ton	58	. (	35.00					0	2,030	
	Other materials	ton	5.8	C C	35.00					0	203	
	Fuel Backhoe 1.5m3	day	7	. 0	170					0	1	
	" Dump truck 10t	day	28	0	105					0		
	" Truck crane 16t	day	4	· 0	77					0	306	
	" Generator 100KVA	day	4	¢	52					0	207	
	Sub Total							· .	[	0	6, 875	
2	Labor											
	Foreman	man. day	7			0	38.2	0		0	267	
	Labor	man. day	28			0	14.3	0		0	400	
	Backhoe 1.5m3	man. day	7			· 0	33		1	0	231	
	Dump truck 10t	man. day	- 28			0	33			0	924	
	Truck crane 16	man. day	4			0	33			0	132	
	Generator 100KVA	man. day	4			0	33			0	132	
	Sub Total									· 0 .	2, 087	
3	Equipment			•								
	Backhoe 1.5m3	day	7					19, 440	0	136, 080	- <sup>2</sup> 2	
•	Dump truck 10t	day	28	· .				6, 720	0	188, 160	0	
	Truck crane 16	day	4					9,480	· 0	37, 920	. 0	
	Generator 100KVA	day	4					1, 800	0	7, 200		
	Vibrohammer 60kw	day	4					10, 560	. 0	42, 240	. 0	
	Submersible pump 80mm	day	. 4					213.60	. 0	854	0	
. '	Sub Total						1			412, 454	··· · 0	
		•	······		·			Total		412, 454	8, 962	
•		· .					· · ·	Unit Price	per No.	412, 454. 40	8, 962. 23	
	INDIRECT COST								15%	61,868.16	1, 344. 33	
	TOTAL									474, 323	10, 306. 56	

386

.

.

į

# LA UNION PORT DEVELOPMENT PROJECT

4C04302

FC: YEN

	4004302 Crushed stone for Found	lation o	f Oil Ser	arator			LC: US\$			Total estimate	for 1 No.
No	Work Item		Quantity				Unit Cost				
					erial	La	abor	Equipment		Amou	nt
	and the second			FC	LC	FC	LC	FC	LC	FC	LC
1	Material							· · · ·			
	Crushed stone	m3	23.35	0	5.16			-		0	120.49
	Wasted crushed stone (25%)	m3	5.84	0	5.16					0	30.12
	Fuel Backhoe 1.5m3	day	0.3	0	170					. 0	50, 99
		day	0.3	. 0	- 2					0	0.5
	Sub Total									0	202. 0
0	Labor	-				· · ·					
	Foreman	man. day	0.3			0	38.20			0	11.4
	Labor	man. day				0	14.30			0	17.1
	Backhoe 1.5m3	man. day				0	33			0	9.9
		man, uay								0	38.5
	Sub Total	· .									
3	Equipment							19, 440	0	5, 832. 00	
	Backhoe 1.5m3	day	0.3	1				212.40	0	63. 72	
	Tampa 60kg	day	0.3					- 212.40		5, 896	
	Sub Total	, <b>İ</b> ,			<u> </u>	L		T-+-7		5, 896	24
								Total Unit Duine :	No	5, 895. 72	240. 6
	· · · · · · · · · · · · · · · · · · ·							Unit Price			
	INDIRECT COST								15%	+	36.0
	TOTAL									6,780	276. 7

#### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

4C04303

FC: YEN

Lean Concrete LC: US\$ Total estimate for 1 No.

No	lo Work Item Unit Quar		Quantity			Bas:	ic Price			Unit	Cost
;				Material		· L	Labor		Equipment		unt
	•			FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Ready mixed concrete	m3	11.00	0	65.00					. 0	715
	Wasted concrete(1.5%)	m3	0.17	0	65.00					0	11
· .	Fuel Concrete mixer 0.6m3	day	0.3	0	0					0	· 0
	" Generator 45KVA	day	0.3	0	24		ан сайтаан ал сайтаан а Сайтаан ал сайтаан ал с			. 0	7
	Sub Total									. 0	733
2	Labor										
de la	Foreman	man. dav	0.3			0	38, 20			0	11
	Labor	man. day	1.2			0	14.30			0	17
	Concrete mixer 0.6m3	day	0.3			0	33		-	0	10
	Generator 45KVA	day	0.3			- 0	33			0	10
	Sub Total									. 0	48
3	Equipment			• • •	ан Алагаан						
	Concrete mixer 0.6m3	day	0.3			·		6, 480	. 0	1944	0
	Generator 45KVA	day	0.3					1, 080	0	324	0.
	Vibrator	day	0, 3					120	. 0	36	· 0
	Sub Total						1. A.			2, 304	0
								Total		2, 304	. 781
		1.00				•	· · · · · · · · · · · · · · · · · · ·	Unit Price p	ber No.	230. 40	78.13
	INDIRECT COST							·	15%	34. 56	. 11.72
	TOTAL									265	89.85

LA	UNION	PORT	DEVELOPMENT	PROJECT
----	-------	------	-------------	---------

4004304

. TOTAL

FC: YEN

9, 994. 11

101, 016

· .	Reignforcement				÷		LC: US\$			Total estimat	
No	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
					erial	Labor		Equip	nent	Amo	unt
		. · · ·		FC	LC	FC	LC	FC	LC	FC	LC
. 1	Material										
	Steel bar	ton .	13.91	0	360, 00					0	5,008
	Wasted steel bar(1.5%)	ton	0. 21	. 0	360, 00					0	. 75
	Fuel Truck crane 16t	day	6	0	- 77					O	459
	" Truck St	day	6	0	80		•			0	479
•	" Generator 45KVA	day	8	0	- 24		1. 1.			0	190
	Sub Total									0	6, 211
. 2	Labor				· · ·	· ·				н. 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -	
	Foreman	man. day	, 8		· ·	0	38.20			0	306
	Labor	man. day	80			. 0	14.30			0	1, 144
	Welder	man. day	16			0	23. 09			0	369
	Truck crane 16t	man, day		1		0	33			0	198
	Truck St	man. day	6			. 0	33			0	198
	Generator 45KVA	man. day				· 0	33			. 0	264
	Sub Total									. 0	2,479
	BEquipment		1								
	Truck crane 16t	day	6					9, 480	. 0	56880	
	Truck 8t	day	6	;				3, 480	. 0	20, 880	
•	Generator 45KVA	day	8				· · · ·	1,080	. 0	8, 640	
	Bar cutter	day	6					120	, o	. 720	
	Bar bender	day	. 6	5 . · · ·				120	: 0	720	
	Sub Total			·· ·			· ·		·	87, 840	
		•		· ·				Total		87, 840	8, 691
						ал. Т		Unit Price	per No.	87, 840. 00	8, 690. 53
	INDIRECT COST			····.				• •	15%	13, 176. 00	1, 303. 58
	<u></u>										0.004.11

4004305

#### FC: YEN LC: US\$

Cover, corner angle an	dother	s for Man	hole			LC: US\$			Total estimat	te for 1 No
o Work Item	7	Quantity			Bas	ic Price			Unit	Cost
	1		Mat	erial	L	abor	Equip	ment	Ало	unt
			FC	LC	FC	LC	FC	LC	FC	LC
1 Material							:			
Non return valve and othe	nNos	1	1, 296, 000	. 0					1296000	
Cast iron cover	Nos	3	0	117, 6					0	35
Non corrosive metal mesh	Nos	1	0	11					0	1
Steps	kg	35	0	0. 54					0	1
Ventilation pipe Dia 100x	2 Nos	2	0	. 80					· 0	16
Coner angle	kg	310	0	0, 36			· · ·		0	11
Wasted corner angle(2%)	kg	6.2	0	0.36					· 0	
Miscellaneous	L. S.	1	0	2, 28					. 0	
Fuel Truck 8t	day	1. 2	· · o	80				N.	0	9
Generator 45KVA	day.	2.3	0	24					· 0	. 5
Sub Total					· ·	•			1296000	. 80
2 Labour								н. 1919 - Алтан		
Foreman	man. day	2.3			0	38, 20			0	. 8
Labor	man. day	20			0	14, 30			0	28
Welder	man. day	5	[		0	23, 09			· 0	11
Truck 8t	man. day	1.2			. 0	33			. 0	<u>.</u> . 4
Generator 45KVA	man. day	2.3			0	33			0	. 7
Sub Total									0	60
3 Equipment							1997 - 1997 1997 - 1997			
Truck St	day	1.2					3, 480	. 0	4, 176	
Generator 45KVA	day	2.3			i i i		1, 080	0	2, 484	-
Welder 300A	day	2.3					120	· 0	276	
Other equipment	L. S.	1					139	· `` 0	139	
Sub Total						· .			7,075	
		· .					Total		1, 303, 075	1,41
$(A_{ij})_{ij} = (A_{ij})_{ij} = (A_{ij})_{ij$	•.						Unit Price p		1, 303, 074. 72	1, 414. 1
INDIRECT COST								15%	195, 461. 21	212. 1
TOTAL									1, 498, 536	1, 626. 2

390

•

÷...

LA	UNION	PORT	DEVELOPMENT	PROJECT	
----	-------	------	-------------	---------	--

4C04306	
---------	--

.

FC: YEN

Concrete Placing

FC:	YEN	
LC:	US\$	

Total estimate for 1 No.

	Concrete Placing						c Price			Unit (	Cost
No	Work Item	Unit	Quantity	. M-+	erial		abor	Equips	nent	Amou	
				FC	LC	FC	LC	FC	LC	FC ····	LC
1	Material										
		m3	232.00	0	70.00					0	16,240
		m3	4.68	0	70.00					0	328
·	Formwork	m2	888	. 0	5. 50					0	4, 884
	1 2	day	4.5	0	77				-	0	345
	Concrete mixer 0.6m		4.5	0	. 0					0	0
		day	4.5	0	24					0	107
	Sub Total	, and the second s								0	21, 903
9	Labour	1									
2		man. day	4.5			. 0	38. 20			0	172
	Labor	man. day	î l			0	14. 30			0	972
	Truck crane 16t	man. day	1.		· ·	0	33		<i>.</i>	0	149
	Concrete mixer 0.6m3	man. day	1			0	- 33			0	149
	Generator 45KVA	man. day	· ·			0	33			. 0	149
	Sub Total	man. uay	7.0			·				0	1, 590
e e	Equipment Truck crane 16t	day	4.5					9,480	0	42, 660	. (
	Concrete mixer 0.6m3	day	4.5					6, 480	0	29, 160	· (
	Generator 45KYA	day	4.5					1, 080	0	4, 860	. 1
		day	4.5					120	0	540	. 1
	Vibrator	uay	4.5							77,220	
	Sub Total	<u> </u>	ļ	l				I Total	[	77, 220	23, 493
	,							Unit Price p	ber No.	77, 220. 00	23, 492. 84
	INDIRECT COST								15%	11, 583. 00	3, 523. 93
	TOTAL									88, 803	27,016.77

4C04307

Backfill sand & Compaction

FC: YEN LC: US\$

Total estimate for 1 No.

No	Work Item	Unit	Quantity				Ba	sic Price	·		Unit	Cost
					Mate	rial	L	abor	Equip	oment	Amo	unt
	. · · ·			- FC		LC	FC	LC LC	FC	LC	FC	LC
1	Material							- 1 - 1				
	Backfill sand	m3	2387		. 0	. 0.00		· .			- 0	. 0
	Wasted Backfill sand (25%)	m3	0		0	0, 00					. 0	0
	Fuel Backhoe 1.5m3	day	4	-	0	170					0	680
	" Tire roller 8-20t	day	4.0		0	55					0	221
	" Tampa 60kg	day	4.0		0	2			1		0	. 7
	Sub Total										0	907
2	Labour			19 J.								
	Foreman	man. day	. 4			· .	0	38. 2	0		· 0 · ·	- 153
	Labor	man. day	16				. 0	14.3	0		0	229
	Backhoe 1.5m3	man. day	4			· .	0	33			0	- 132
	Tire roller 8-20t	man. day	. 4			· .	0	33			. 0	132
	Sub Total										0	646
	Equipment		1. A.A.			· · ·						
	Backhoe 1.5m3	day	4						19, 440	0	77, 760	0
	Tire roller 8-20t	day	4						3, 360	0	13, 440	0
	Tampa 60kg	day	4						212	.0	850	0
	Sub Total										92, 050	0
								· · · ·	Total		92, 050	1, 553
						. •			Unit Price	per No.	92, 049. 60	1, 552. 60
	INDIRECT COST									15%	13, 807. 44	232.89
	TOTAL		<u></u>								105, 857	1, 785. 49

LA UNION PORT DEVELOPMENT PROJECT

40043

÷

a 16t por day

FC: YEN

0	Truck crane 16t per d Work Item	Unit	Quantity			Basic Pr	ice			Unit Cost	
			-	Material		Labor	···	Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC
1	Material										
	Fuel & Lubricant	lr.	232.00	0	0.33				· ·	. 0	. 77
17	Others	L. S.	1	- 0	0.00					0	0
	Sub Total						· .			0	77
								· · ·			
2	Labor										
	Operator	man. day	. 1			( ) (	33.00			0	33
	Others	L. S.	1				0.00			. 0	0
- *** 	Sub Total									0	33
							:				
3	Equipment										
	Truck with crane 8t	day	1					9480		9, 480	(
	Sub Total									9, 480	. (
	·Total									9, 480	110

4C043-1

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

100ps x 0.2 x 6 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C043

394

Truck 8t per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity			Basic Pri	ce	•		Unit Cost	
				Material		Labor		Equipment		Amount	
				FC	LC	FC	LC ···	FC	LC	FC	LC
1	Material						·				
	Fuel & Lubricant	lr.	233.00	. 0	0.33		2			0	77
	Others	L. S.	1	. 0	3.00					· · · . 0	3
	Sub Total									0	80
				1							
2	Labor										
	Operator	man. day	1			· 0	33.00	)		0	33
	Others	L. S.	1			. 0	0.00			0	· 0
	Sub Total				1. J.					0	- 33
_ 3	Equipment						· · ·	-	and a second		
	Truck St	day	1					3480	ni c	3, 480	· 0
	Sub Total			· .						3, 480	0
		<b>.</b>									
	Total			·	· ·					3, 480	113
N 											

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

LA UNION PORT DEVELOPMENT PROJECT

40043

Ν

395

FC: YEN

•	Dump truck 10t /day		1. A.				LC: US\$				
No	Work Item		Quantity			Basic Pri	се			Unit Cost	
				Material		Labour		Equipment	••	Amount	
					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	Labour						· · · ·				
	Operator	man. day	1			c	33.00			0	33
	Others	L.S.	1			, e e e e e	0.00	)		0	0
	Sub Total								<b>.</b>	· . 0	33
					1			· · · ·			
	Bequipment										
	Dump truck 10t	day	1		н. — М.			6720		6, 720	0
	Sub Total									6, 720	0
	Sub rotar										
	Tetal									6, 720	138
	Total										
		1			I	L			<u></u>	<u> </u>	

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

LA UNION PORT DEVELOPMENT PROJECT

4C043

No

396

FC: YEN 1.0. 1164

> 24 0 24

33 0 33

> C ſ

57

	Generator 45KVA per da	iy '	÷			· · · .	LC: US\$		
5.	Work Item	Unit	Quantity			Basic Pri	ce		Unit Cost
				Material		Labour		Equipment	Amount
				FC	LC	FC	LC	FC LC	FC LC
1	l Material								
	Fuel & Lubricant	lr.	72.00	- c	0.33				0
	Others	L. S.	1	C	0.00	· ·			0
	Sub Total								0
2	2 Labour					· ·			
÷	Operator	man. day	1	1. A.		0	33.00	· · .	0
	Others	L. S.	1			0	0.00		. 0
	Sub Total								0
. 3	3 Equipment								
	Generator 45KVA	day	1	а. Г.				1080 0	1, 080
	Sub Total Total								1,080 1,080

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

LA UNION PORT DEVELOPMENT PROJECT

4C043 Backhoe 1 5 m3 per day

FC: YEN LC: US\$

No	Work Item	Unit	Quantity			<b>Basic</b> Pri	ce	2	<i>2</i>	Unit Cost	
				Material		Labour		Equipment		Amount	
				FC	LC	FC	LC ·	FC	LĈ	FC	LC
1	Material										
	Fuel & Lubricant	lr.	509.00	0	0.33	н. 1				0	168
	Others	L. S.	<b>1</b>	0	··· 2.00					0	2
	Sub Total								· .	. 0	170
Í .											
2	Labour				1947 - C. 1947 -						
Ł	1	man day	1	·		. 0	33.00			0	33
	Others	L. S.	1			0 0	0.00			. 0	0
	Sub Total						:			0	33
	Fourment										
	Equipment Backhoe 1.5m3	day	· · · · 1			[		19440		) 19,440	C
			^			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				19, 440	
	Sub Total										
							. *			19, 440	203
1.	Total									15, 440	200

4C043-5

Fuel & Lubricant: 303ps x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

4C043

398

FC: YEN LC: US\$

Tire	roller	8-20t	per	day	
				Y	

No	Work Item	Unit	Quantity			Basic Pri	се	Unit Cost			
				Material		Labour		Equipment		Amount	
				FC	LC	FC	LC	FC · ·	LC	FC	LC
1	Material										
	Fuel & Lubricant	1r.	161.00	0	0.33					0	<sup>.</sup> 53
	Others .	L. S.	1	. 0	2.00					0	. 2
	Sub Total									0	55
2	Labour										. · · ·
	Operator	man. day	· 1		•	- 0	33, 00			0.1	33
	Others	L. S.	1			0	· 0, 00		· .	0	0
	Sub Total	1								0.	33
	Equipment								·		
	Tire roller 8-20t	day	1					3360	0	3, 360	.(
	Sub Total									3, 360	( ) (
	•								н 1		
	Total					•				3, 360	. 88
l				•							

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

LA UNION PORT DEVELOPMENT PROJECT

40043

399

FC: YEN

No	Work Item	Unit	Quantity			<b>Basic</b> Pri	ce		· · ·	Unit Cost		
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
. 1	Material									. 1		
	Fuel & Lubricant	lr.	5.00	0	0, 33	· · · ·				0	2	
	Others	L. S.	1	. 0	0.00					0	0	
	Sub Total									0	2	
. 2	Labour											
	Operator	man. day	. 1			. c	33. 00			0	33	
	Others	L. S.	1			· · · c	0.00	D		0	0	
	Sub Total	· · ·								0	33	
. 3	Equipment											
	Tampa	day	1					212.4	. (	212.40	(	
	Sub Total									212. 40	(	
5	Total									212. 40	35	
					1				1			

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

LA UNION PORT DEVELOPMENT PROJECT

4C043

Concrete Mixer 0.6m3 per day

FC: YEN LC: US\$

.6m3 per day

No	Work Item	Unit	Quantity			Basic Pri	се			Unit Cost		
				Material		Labour		Equipment		Amount		
				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									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	
		'.										
3	Equipment	•										
	Concrete Mixer 0.6m3	day .	. 1					6480	· . 0	6, 480. 00	· _ 0	
	Sub Total					and the second				6, 480. 00	· 0	
1. <sup>1</sup>												
	Total						· · ·			6, 480. 00	33	

LA UNION PORT DEVELOPMENT PROJECT

40043

#### FC: YEN 221 -01

No	Generator 100KVA per Work Item	Unit	Quantity			Basic Pr	ice		·	Unit Cost	
			1	Material		Labour	<u> </u>	Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC
	Material						5				
	Fuel & Lubricant	1r	157.00	. (	0.33					0	52
	Others	L. S.	1	. (	0.00		· .			0	··· 0
	Sub Total									0	52
1	2 Labour								· ·		
	Operator	man. day	1				33.0			0	33
	Others	L. S.	1				0.0	D .		0	· 0
	Sub Total									0	33
			1 · ·							· · ·	
	3 Equipment					ļ .					
	Generator 100KVA	day	1		:			180	0	0 1,800	
	Sub Total									1,800	
			1	1		ļ					
	Total									1, 800	85

Fuel & Lubricant: 125ps x 0.2 x 6 x 1.05

#### PORT REACTIVATION PROJECT IN LA UNION PROVINCE

### 4C044

.

# OIL SEPARATOR (Route D)

# FC: YEN LC: US\$

### Total estimate for 1 No.

No	Work Item	Unit	Quantity	Basic Pr	ice	Unit Co	st
				· · · · · ·		Amoun	t
				FC	LC	FC	LC
4C04401	Excavation & Disposal	Nos.	I	367, 786. 56	8, 350. 99	367, 787	8, 350. 99
4C04402	Crushed Stone for Foundation	Nos.	1	6, 780. 08	263.72	6, 780	263.72
4C04403	Lean Concrete	Nos.	1	264.96	83. 02	265	83. 02
4C04404	Reinforcement & Flap Valve	Nos.	1	101, 016. 00	9, 552. 89	101, 016	9, 552. 89
4C04405	Corner Angle	Nos.	1	1, 498, 535. 93	1, 626. 25	1, 498, 536	1, 626. 29
4C04406	Concrete Placing	Nos.	1	79, 488. 00	24, 945. 43	79, 488	24, 945. 43
4C04407	Backfill Sand & Compaction	Nos.	· I	105, 857. 04	1, 785. 49	105,857	1, 785. 49
	Total					2, 159, 729	46, 607. 80
				Unit Price per No.		2, 159, 729	46, 607. 80

	LA UNION PORT DEVELOPM	ENT PROJEC	ст										
	4004401			÷			FC: YEN				· · · ·		
	Excavation & Disposal	for Oil Se	eparator				LC: US\$			lotal estimat		е. — е.	
No	. Work Item	Unit	Quantity			Bas	sic Price	<u>.                                    </u>	· .	Unit (			
					rial		abor	Equip		Amou			
	- · · ·			FC	LC	FC	LC	FC	LC	FC	LC		
	l Material												
1	Excavation & Disposal	m3	2569	0	0,00				· .	. 0	0		
	Steel sheet pile(5%)	ton	- 58	0	35.00					0	2,030		
	Other materials	ton	5.8	0						0	203		
	Fuel Backhoe 1.5m3	day	. 5	0	· 170					0	850		
	Dump truck 10t	day	20	0	105			1		0	2, 099		
	" Truck crane 16t	day	4	0	77					0	306		
	Generator 100KVA	day	4	. 0	52					0	207		
1	Sub Total				.					0	5,696		
	2 Labor												
	Foreman	man. day	5			0	38. 20			0	191		•
	Labor	man.day	20			. 0	14.30			0	286		
	Backhoe 1.5m3	man, day	5			0	- 33			<u>;</u> 0	165		
	Dump truck 10t	man. day	20			0	33			0	660		
1	Truck crane 16	man. day	4			. 0	33			Ŷ	132		
	Generator 100KVA	man. day	. 4			0	33		· .	0	132		
	Sub Total									. <b>Q</b>	1, 566		
	3 Equipment								1 ·				
	Backhoe 1.5m3	day	5					19, 440	0	97, 200			
	Dump truck 10t	day	20		1			6, 720	. 0	134, 400	0		
	Truck crane 16	day	4					9, 480	0	37, 920	0		
	Generator 100KVA	day	4		ļ .			1, 800	. 0	7,200	0		
	Vibrohammer 60kw	day	4				ļ	10, 560	0	42, 240	0		
	Sübmersible pump 80mm	day	4					213.60	0	854	0		
	Sub Total								<u> </u>	319, 814	0		
								Total		319, 814	7, 262		
								Unit Price		319, 814. 40	7, 261. 73		
	INDIRECT COST							·····	15%		1,089.26		
	TOTAL									367, 787	8, 350. 99		

#### 4C04402

Crushed stone for Foundation of Oil Separator

FC: YEN LC: US\$

Total estimate for 1 No.

No Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost
1 0 N			Mat	erial	a e L	abor	Equip	ment	Атс	ount
			FC	LC	FC ·	LC	FC	LC	FC	LC
1 Material										
Crushed stone	m3	21.60	0	5.16				· ·	0	111.46
• Wasted crushed stone (25%	) m3	5.40	0	5.16						27.86
Fuel Backhoe 1.5m3	day	0.3	0	170					0	50.99
" Tampa 60kg	day	0.3	0	2					0	0.50
Sub Total									0	190.81
2 Labor										
Foreman	man. day	0.3			· 0	38.20			0	11.46
Labor	man. day	1.2			. 0	14.30	)		. 0	17.16
Backhoe 1.5m3	man. day			· · ·	· · · 0	33			0	9.90
Sub Total	_							а. С	0	38. 52
3 Equipment										
Backhoe 1.5m3	day	0.3					19, 440	0	5, 832. 00	0
Tampa 60kg	day	0.3	Į .				212.40	0	63.72	0
Sub Total					· .			· · ·	5, 896	0
· · · · · · · · · · · · · · · · · · ·		<b>I</b>			:	· · · · · · · · · · · · · · · · · · ·	Total	·	5, 896	229
							Unit Price p	ber No.	5, 895. 72	229.33
INDIRECT COST								15%	884.36	34.40
TOTAL	· · · ·				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· ······		6,780	263.72

# PORT REACTIVATION PROJECT IN LA UNION PROVINCE

4C04403

# FC: YEN

	Lean Concrete		e de la composición d				LC: US\$	· · ·		Total estimat	e for 1 No.
Nö	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
		11. 1		Mat	erial	L	abor	Equip	nent	Amou	int
•				FC	LC	FC	LC	FC .	LC	FC	LC
i	Material										
	Ready mixed concrete	m3	10.10	0	65.00					0	657
	Wasted concrete(1.5%)	m3	0.15	• 0	65.00					. •. O	. 10
	Fuel Concrete mixer 0.6m3	day	0.3	0	0	-				0	. 0
	" Generator 45KVA	day	0.3	0	24					0	7
	Sub Total	 								0	673
2	Labor			·							
	Foreman	man. day	0.3			· · 0	38.20			· 0	11
	Labor	man. day	1.2			. 0	14.30			0	17
	Concrete mixer 0.6m3	day	0.3			0	33			· · · 0	10
	Generator 45KVA	day	0.3			0	33			0	_ 10
	Sub Total		1							0	48
3	3 Equipment										
	Concrete mixer 0.6m3	day	0.3				·	6, 480	0	1944	0
	Generator 45KVA	day	0.3					1, 080	0	324	0
	Vibrator	day	0.3			<u>``</u>		120	0	36	0
	Sub Total			 						2, 304	0
					a A a a		· .	Total		2, 304	722
				· .				Unit Price p		230. 40	72.19
	INDIRECT COST								15%	34. 56	10.83
	TOTAL									265	83.02

4C04404

# FC: YEN

.

Reignf	prcement						LC: US\$		:	Total estima	te for 1 No.
	Work Item	Unit	Quantity			Basi	c Price			Unit	Cost
				Mat	erial	La	abor	Equip	ment	Атс	ount
1.			-	FC	LC	FC	LC	FC	LC	FC	LC
1 Materia	•						· · ·				
Steel b	ar	ton	12, 86	. 0	360.00					. 0	4, 630
Wasted	steel bar(1.5%)	ton	0.19	· 0	360. 00			<b>[</b> .		0	69
Fuel Tr	ick crane 16t	day	6	0	77					· 0	459
″ Ti	ruck St	day	- 6	. 0	80					. 0	479
″ G	enerator 45KVA	day	8	. 0	24			1. A.		0	190
Sub Tot	1									0	5, 828
2 Labor											
Foreman		man. day	. 8			0	38.20			0	306
Labor		man. day	80	."		. 0	14.30		$(-, k) \in \mathbb{R}^{n}$	· · · 0	1, 144
Welder		man. day	16			. 0	23.09			0	369
Truck	rane lôt	man. day	- 6			0	33			· 0	. 198
* Truck	It	man. day	6			·· 0	33			. 0	198
Generat	r 45KVA	man. day	8			0	33			0	264
Sub Tota	1									. <b>O</b>	2, 479
3 Equipmen	at (					-					
Truck of	rane 16t	day .	. 6					9, 480	. 0	56880	0
Truck 8		day	6					3, 480	0	20, 880	· · · 0
Generate	or 45KVA	day ·	8				·	1, 080	0	8, 640	. 0
Bar cut	er	day	6					- 120	0	- 720	0
5 Bar ben	ler	day	6					120	. 0	720	0
Sub Tota	1									87, 840	. 0
						1.1		Total		87, 840	8, 307
· · · .		. * •				1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 -		Unit Price		87, 840, 00	8, 306. 86
INDIRE	CT COST								15%	- 13, 176. 00 <sup>-</sup>	1, 246. 03
. TOTAL										101, 016	9, 552, 89