APPENDIX-1. LABOR COST

APPENDIX-1 LABOR COST

LA UNION PORT DEVELOPMENT PROJECT

This unit price includes payment for:

- a) seventh day(5.5 work days & 1.5 vacation days) of the week
- b) holidays
- c) cristmas vacation
- d) 15 days of vacations per year
- e) social insurance(ISSS)
- f) sick leave
- g) social charges
- h) working hour : 8:00-12:00 and 13:00-16:00 **
 - Saturday : 8:00-13:00
- ** According to Collective Agreement between the Construction Workers Union(SITRACOCS) and the Association of Construction Companies (CASALCO), July, 1999

Code	Particular	Unit	Unit Price(per day
No.			
	. · · · · · · · · · · · · · · · · · · ·		US\$
			·
1	Foreman	man/day	38.17
2	Skilled Labor	man/day	14.29
3	Common Labor	man/day	11.77
4	Unskilled Labor	man/day	12.7
5	Operator A Heavy	man/day	32.69
6	Operator B Light	man/day	30.86
7	Assistant Operator	man/day	19.54
8	Driver	man/day	22.06
9	Mechanician	man/day	30.86
10	Electrician	man/day	31.09
11	Welder	man/day	23.09
12	Plumber	man/day	20.91
13	Painter	man/day	20.91
14	Plant Operator	man/day	20.91
15	Carpenter	man/day	14.29
16	Concrete Worker	man/day	20.91
17	Steel Bender	man/day	14.29
18	Mason	man/day	31.09
19	Senior Civil Engineer	man/mon.	5,876.57
20	Junior Civil Engineer	man/mon.	2939.43
21	Archtect	man/mon.	5488.00
22	Building Engineer	man/mon.	5,488.00
23	Surveyor	man/mon.	1136.00
24	Adoministrator	man/mon.	3,712.00
25	Accountant	man/mon	1,547.43
26	Office Clerk	man/mon.	2,784.00
27	Secretary	man/mon.	1,197.71
28	Typist	man/mon.	772.57
29	CAD Operator	man/mon.	1861.71
30	Office boy	man/mon.	729.14
31	Cleaner	man/day	324.57
32	Security(Guardman)	man/mon.	361.14
33	Crew High Class (Foreigner)	man/day	375.00
34	Crew Middle Class	man/day	100.00
35	Crew Low Class	man/day	33.00
36	Off-shore Foreman	man/day	38.17
37	Off-shore Skilled L	man/day	14.29
38	Off-shore Common L	man/day	11.77

Three Shift: 3x8hous A x 125% Over time: From 5pm-7pm A/7 x 200%/hour From 7pm-6am A/7 x 225%/hour From 6am-8am A/7 x 200%/hou

APPENDIX-2. MATERIAL COST

APPENDIX-2 MATERIAL COST (1/5)

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

This unit cost includes transportation fee to site except IVA.

eest to be	Code No.	Name	Class/Type	Unit	Unit Cost		
					Forein(US\$)	Local(US\$)	
	Fuel & Others	ŝ					
1		Fuel	Diesel Heavy Oil	liter	-	0.3	
2		Fuel	Diesel Light Oil(Kerosine)	liter	-	0.28	
3		Fuel	Gasoline/Petrol	liter	-	0.5	
4		Fuel	Marine heavy oil (turbine)	liter	-	0.19	
5		Fuel	Marine light oil (diesel engine)	liter	ł	0.3	
6		Lubricant		liter	-	1.42	
7		Acetylene Gas		kg	-	1.05	
8		Oxygen		m3	-	0.62	
9]	Water		m3	_		
······································	Sand, Aggrega	ate & Rock				· · · · · · · · · · · · · · · · · · ·	
10		Sand	for Reclamation	m3	-	4.00	
11		Sand	for Concrete	m3	-	8.23	
12		Sand	for Replacement	m3	-	6.01	
13		Course Aggregate	40mm	m3	Ŧ	18.8	
14		Course Aggregate	25mm	m3	-	21.3	
15		Quarry Run	10-50kg	m3	·	7.54	
16		Crushed Stone	5.0-100kg	m3	-	6.4(
17		Crushed Stone	100-300kg	m3	-	5.16	
18		Armor Stone	0.5-1 ton	m3	-	9.04	
. 19		Armor Stone	1-2 ton	m3	-	7.7	
20		Armor Stone	2 ton	<i>m</i> 3	-	6.20	
21		Sub base course	CBR 30	m3	-	9.04	
22		Base course	CBR 80	m3	-	9.04	
23		Cement treatment Macadam		m3	-	33.78	

APPENDIX-2 MATERIAL COST (2/5)

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

	Code No.	Name	Class/Type	Unit	Unit Cost		
					Forein(US\$)	Local(US\$)	
	Asphalt						
24		Asphalt concrete	Dense	ton		64.0	
25		Asphalt concrete	Coarse	ton		64.0	
26		Straight Asphalt		kg		0.	
· 27		Asphalt bitumen	for Asphalt concrete	kg	<u> </u>	0.	
28	:	Asphalt bitumen	for Prime coat	liter	-	0.	
29		Asphalt bitumen	for Tack coat	liter	-	0.:	
	Concrete	· · · · · · · · · · · · · · · · · · ·					
30		Portland cement	bag	ton	-	102.	
31		Portland cement	bulk	ton	-	65.	
32		Mortar		m3		75.	
- 33	·	Ready mixed concrete	270kg/cm2	3	<u> </u>	75.	
34		Ready mixed concrete	240kg/cm2	m3 -	-	70.	
35		Ready mixed concrete	180kg/cm2	113	<u> </u>		
36		Ready mixed concrete	120kg/cm2	<u>m3</u>	-	65.	
37		Admixture, AE Agent		kg	-	4.	
	Steel	·			r		
38		Steel Pipe Pile	Dia 1200 t=14mm	ton	995.36		
39		Steel Pipe Pile	Dia 900 t=12mm	ton	973.83		
40		H-Shaped steel	400x400x13x21x6m length 172kg/m	ton	-	4	
41		H-Shaped steel	350x350x12x19x6m length 135kg/m	ton		4	
42		H-Shaped steel	300x300x10x15x6m length 93kg/m	ton	-	4	
43		H-Shaped steel	250x250x9x14x6m length 72kg/m	ton		4	
44		L-Shaped steel	50x50x6x6m length 4.43kg/m	ton	-	4	
45		L-Shaped steel	75x75x9x6m length 9.96kg/m	ton		4	
46		Reinforecement bar(round)	less than 13mm	ton	-	3	
47		Reinforecement bar(round)	16-25mm	ton	-	3	
48		Reinforecement bar(round)	29-32mm	ton		3	
49		Reinforecement bar(Deformed)	less than 13mm	ton	 .	3	

APPENDIX-2 MATERIAL COST (3/5)

375

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	۰
	Code No.	Name	Class/Type	Unit	Unit Cost	
· · · · ·	<u> </u>				Forein(US\$)	Local(US\$)
	Steel					. <u></u>
50	·	Reinforcement bar(Deformed)	16~25mm	ton	-	360.0
51		Reinforcement bar(Deformed)	29-32mm	ton		350.0
52		Steel plate	t=20mm	ton		330.
53		Steel plate	t=10mm	ton		330.1
54		Wire rope	Die 32mm	m		0.0
55		Wire rope	Dia 26mm	m		0.1
56		Rail	70.0kg/m	ton	-	113.
57		Reil	50.0kg/m	" ton	-	113.
58		Channel steel	11x 250x90	ton	· · · · ·	380.0
59		Channel steel	12x300x90	ton	-	380.
60		Anchor bolt	M16x200mm	рс		9.
61		Bolt/Nut	M24x65	рс		<u> </u>
62		Bolt/Nut	M16x65	pc		2.
63		Welding rod	1/8	kg	-	. 2.
64		Welding rod	5/32	kg		2.
65		Welding rod	3/16	kg	-	2.
	Timber etc.			· · · ·		
66		Timber	1'*1' - 2'*8' (treated)	m3	-	397.0
67		Board	t=18mm	- m3		821.
68	·	Board	t=15mm	_m3	-	909.
69		Board	t=6mm	m3	-	1038.
	Products of (Concrete				
70		R.C. Pipe	Dia 457mm t=50mm	m	-	23.
71		R.C. Pipe	Dia 610mm t=65mm	m	-	29.
72		R.C. Pipe	Dia 762mm t=88mm	m	-	51.
73		R.C. Pipe	Dia. 914mm t=101mm	m		76.
74		R.C. Pipe	Dia. 1219mm t= 127mm	m	- ·	136.

.

APPENDIX-2 MATERIAL COST (4/5)

376

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

Cod	e No. Name	Class/Type	Unit	Unit Cost		
				Forein(US\$)	Local(US\$)	
Others	3					
75	Interlocking block	250kg/cm2	m2	-	4.80	
76	Interlocking block	400kg/cm2	m2	-	18.00	
77	Brick		pc		0.28	
78	PVC pipe	Dia 100mm	m		15.97	
79	Geotextile sheet		m2		1.47	
80	Fender	Туре А	No.	10,000		
81	Fender	Туре В	No.	9,000		
82	Fender	Type C	No.	5,500		
83	Bollard	100ton	pc	7,500		
84	Bollard	75ton	pc	5,000		
85	Elas tigh board		m2		8.33	

APPENDIX-2 MATERIAL COST (5/5)

No.	Item	Unit	Price(US\$)	Renark
. 1	Vehicle CAMRY 2.4	No	32,000	
2		No	21,800	
3		No	30,000	
4	" TOYOTA Hi-Lux Pickup Truck	No	25,000	
5	Computer INTEL 15" monitor	No	1,250	
6	Laser Printer	No	3,350	
7	Telephone handset	No	30	
8	Whiteboad 1.2 x 0.90	No	45	
	Pin-board 2.4 x 1.21	No	65	
- 10	Desk, double pedestal with lockable drawer 2 x 1	No	600	
- 11	Working table 5 x 2.5 with 8 chars	set	1,800	· · ·
12	Chair with arm	No	120	· · · · · · · · · · · · · · · · · · ·
13	Lockable stationary 0.7 x 1.8	No	200	
14	Steel filing cabinet	No	140	······································
15	Bookcase with five shelves 0.7 x 1.8	No	80	
16	Waste paper bin	No	8	
17	Fire extinguisher	No	325	
18	Fist aid kit	No	25	·
19	Copying machine per minute 40sheets	No	8,000	
	Copying machine per minute 28sheets	No	5,500	
	Facsimile machine	No	300	
22	Digital video tape recorder	No	4,000	· · · · · · · · · · · · · · · · · · ·
	Color printer inkjet type	No	1,100	
24	Telephone switchboard	No	1,000	· · · · · · · · · · · · · · · · · · ·
25	Portable radio VHF-FM	No	250	
	Binding machine	No	260	
27	Electric typewriter	No	350	
28	Computer INTEL 17" monitor	No	1,400	······································
29	Plotter HP800ps	No	9,300	······································
	Network cable hub of 24 ports	No	900	
	Refrigerator 21m3	No	800	
	Microwave, 1000W	No	300	
	Electric stove	No	75	
	Electric kettle	No	30	
	Kitchen cupboard lockable 1.8 x 0.9 x 0.6	No	160	
	Coffee maker	No	170	
	Electric bottled water dispencer	No	350	·····

	APPENDIX-3. EQUIPM LA UNION PORT DEVE 1B01 and 1B02 Tug boat 250PS per c	LOPMEI day	NT PROJI				UNIT FC: YEN LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			U	nit Cost			Cost p	er day	Total
				Ma	terial	L	abor	Equip	ment	Amo	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	l Ir	210.0	0	0.33					0	69	8,316
. •	Others	L.S	1.0	. 0						0		. 0
	Sub Total									· · 0	69	8,316
								1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -				
2	Labor			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -								
	High class crew	man	0			45000	0		· · ·	0	0	0
1 C	Middle class crew	man	1			0	100			0	100	12,000
1. T.	Low class crew	man	2			. 0	33			0	66	7,920
n e F	Sub Total									0	166	19,920
		ļ	.									1. S.
3	Equipment											
	Tug boat 250PS	day	1					11,760	0	. 11,760	0	11.760
	Sub Total	ť								11,760	0	11,760
		1.						. :				
	Total									11,760	235	39,996

1B01--1 2B02--1

Fuel & Lubricant: 250PS x 0.2 x 4H x 1.05

	LA UNION PORT DEVE	LOPME	NT PROJ	ECT	UNIT	
	1B01 and 1B02				FC: YEN	· · · ·
	Pontoon 500ton per	day			LC: US\$	
No	Work Item	Unit	Quantity		Unit Cost	
		1		Material	Labor	Equipmer

N		Unit	Quantity	·		г.,	hit Cost			Cost	per day	Total
No	Work Item	Unit	Guanticy			The second s		Equip	mont		in	
]		aterial	· · · · · · · · · · · · · · · · · · ·	abor			· · · · · · · · · · · · · · · · · · ·	ount	
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material								- · ·			
•	Fuel & Lubricant	łr	0	0	0.33					. 0	0	0
	Others	L.S	1	0	0			· ·		0	0	0
	Sub Total								· ·	0	· 0	. 0
						· .	· .					
_ 2	Labor								÷.			
	High class crew	man	0			45000	ş	·		. 0	· 0.	0
	Middle class crew	man	0			0	100			0	0	0
	Low class crew	man	2		·	. 0	33			0	66	7,920
	Sub Total									0	66	7.920
							ļ	· . ·				ter en transferencia.
3	Equipment											
	Pontoon 500ton	day	1		-		ł	14,400	· 0	1		14.400
	Sub Total						Į			14,400	· 0	14,400
	Total						<u> </u>		<u> </u>	14,400	66	22,320

US\$=¥120

Fuel & Lubricant:

1B01-2 1B02-2

	APPENDIX-3. EQUIPM						1				· · ·	
	LA UNION PORT DEVEL	LOPME	NT PROJ	ECT			UNIT		· · ·			
	1801 and 1802		4				FC: YEN					
	Crawler crane 30ton p	er day					LC: US\$	-				US\$=¥120
No		Unit	Quantity		· · · · · · · · · · · · · · · · · · ·	Ur	nit Cost			Cost	er day	Total
				M	laterial	Ľ	abor	Equip	ment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		1		T1							
	Fuel & Lubricant	lr	157		0 0.33					. 0	52	6.217
Į	Others	L.S	. 1		0 0					0	0	0
	Sub Total	.)							0	52	6,217
2	Labor											
	Operator	mari	1			0	33			0	33	3,960
		man	0		1	0	0			0	0	0
		man	D			- 0	0			0	0	0
ļ .	Sub Total	.] .]					. 0	33	3,960
	Equipment											
	Crawler crane 30ton	day	1					13,440	0	13,440	0	13,440
	Sub Total		1					13,440		13,440	0	13,440
										13,440	Ŷ	19 ,11 0
	Total	· .				· · · ·		· · · .		13,440	85	23.617

1801-3

1B02-3

.

Fuel & Lubricant: 150PS x 0.2 x 5 x 1.05

	LA UNION PORT DEVE	LOPME	NT PROJE	ECT			UNIT					_
	1B01 and 1B02						FC: YEN		4 C			
	Generator 100KVA per	<u>r day</u>					LC: US\$		<u>.</u>	· · · · · · · · · · · · · · · · · · ·		US\$=¥120
No	Work Item	Unit	Quantity			U	nit Cost			Cost	per day	Total
				Ma	terial	L	abor	Equip	ment	Amount		. in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1		_								
	Fuel & Lubricant	lr -	126	0	0.33			1		0	42	4,990
	Others	L.S	1	0	0) · o	0	0
	Sub Total									0	42	4,990
2	Labor											
	Operator	man	1			- 0	33		ł	0	33	3,960
		man	0		1	0	0			0	0	0
		man	0			0	0		1	0	0	0
	Sub Total								1	. 0	33	3,960
	.		·					х.				
1	Equipment	Į .		·				1 000		1,800	· 0	1,800
	Generator 100KVA	day	1					1,800	U	1,800		1,800
	Sub Total									1,800	0	1,000
	Total				А. Д. С.					1,800	75	10,750

Fuel & Lubricant: 125PS x 0.2 x 6 x 1.05 x 0.8

382

1B01-4 1B02-4

1B01 and 1B02						FC: YEN					
Bakhoe 1.5m3 per day	•	• •				LC: US\$			-		US\$=¥120
o Work Item	Unit	Quantity			U	nit Cost			Cost p	er day	Total
		t C	Mat	erial	Ĺ	abor	Equip	ment	Am	ount	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material						T					
Fuel & Lubricant	lr.	636	0	0.33					· 0	210	25,186
Others	L.S		0	· · · · · ·		ł	{		0	0	- 0
Sub Total					· · ·				0	210	25,186
2 Labor			1	.					· · · ·		
Operator	man	1			0	- 33			0	33	3,960
	man	0			0	0			. 0	0	C C
	man	0	ĺ		0	0	[0	0	· 0
Sub Total								ļ	. 0	33	3,960
				1. A.							
3 Equipment :			· [(•	ĺ	[
Backhoe 1.5 m3	day	1				l • •	19,440	<u>)</u> 0	19,440	· 0	19,440
Sub Total								1	19,440	0	19,440

Fuel & Lubricant: 303PS x 0.2 x 10 x 1.05

383

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LA UNION PORT DEVELOPMENT PROJECT 2A01 Trailer Suction Honner Dredger 8000m3, per day

FC: YEN LC: US\$

UNIT

US\$=¥120

	Trailer Suction Hoppe	r Dreage	er suuums per	day			LU: US\$			······································		<u></u> 03\$-≠12
No	Work Item	Unit	Quantity			Unit	Cost			Cost per	day	Totai
			Ĩ	Mat	erial	La	bor	Equi	pment	Amount		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	T 7						ļ		1		
	Fuel & Lubricant	ir	27,720	0	0.33					0	9,148	1,097,71
	Others	L.S.	1	0	52					0	52	6,24
	Sub Total					· · ·				0	9,200	1,103,95
2	Labor									н Н		
	High Class Crew	manday	12			45000	0			540,000	0	540,0
	Middle Class Crew	manday	12			39600	. 0	· · · · · · · · · · · · · · · · · · ·		475200	0	475,2
	Low Class Crew	manday	6			12000	· 0	ta a a		72,000	0	72,0
	Sub Total		**							1,087,200	0	1,087,2
•												
3	Equipment					1. N. A.						
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2744880	0	2,744,8
ĺ	Sub Total		1							2744880	0	2,744,8
	•											
	Total									3,832,080	9,200	4,936,0

2A01-1

	APPENDIX-3. EQUIP LA UNION PORT DEV			. •			UNIT					
	2A01		FROJECT				FC: YEN					
	Working Boat 480PS	oer dav					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity				Cost		T	Cost per	day	Total
				Mate	erial	Lab	oor	Equi	pment	Amou		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	jir .	403	0	0.33		}			o	133	15.959
	Others	L.S.	1	0	- 7					0	. 7	840
	Sub Total									0	140	16,799
2	Labor					and the second						
	Middle Class Crew	manday	. 2	· · ·]		12000	0			24,000	0	24,000
	Low Class Crew	manday	2			0	33			o	66	7920
	Others	L.S.	1	Į		0	o			. 0	o	0
	Sub Total			ļ				- -		24,000	66	31,920
3	Equipment											
	Working Boat 480PS	dayunit	1	i i	ĺ			142,920	0	142,920	0	142,920
	Sub Total									142,920	o	142920
]										
	Total						l			166,920	206	191,639

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A01

UNIT FC: YEN

	ZAUT	_ •										
~~~~	Passenger Boat 100P						LC: US\$	·	· · · · · · · · · · · · · · · · · · ·	·		US\$=¥12
lo	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total
		1		Mate	rial	Lat	oor	Equipment		Am	ount	in
		· ·	[ [	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		т — т т									
ļ	Fuel & Lubricant	lr	105	0	0.33	1				0	35	4,15
	Others	L.S.	1 1	0	5	4				0	- 5	60
	Sub Total									0	40	4,73
	000 1000	ļ		Í						Ū		.,
2	Labor	1		1	Í							
	Middle Class Crew	manday	0			0	0			. 0	a	
	Low Class Crew	manday	2	+ 1 - F		. 0	33			0	66	79
:	Sub Total									0	66	7,9
3	Equipment	}		. 1		· · ·		}			-	
		dayunit	1					3480	0	3,480	o	3,4
1	Sub Total	a dy anne	1. 1							3,480		3,4
	300 1018			1								0,7
	•			. }					· .			
	Total	1		1	1				· · ·	3,480	106	161
					-							

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

	LA UNION PORT DEV	ELOPMEN	IT PROJECT	·			UNIT	· · ·	-			
·	2A01				÷		FC: YEN					
	Survey Boat 70PS pe		T				LC: US\$	·	· ·			US\$=¥120
No	Work Item	Unit	Quantity		<u> </u>		t Cost			Cost per		Total
				Mate			bor		oment	Amour		in
	<u> </u>			FC	LC	FC	LC	FC	LC	FC	<u>         LC                           </u>	YEN
1	Material											
	Fuel & Lubricant	h	58.80	0	0.33			· · ·		. 0	19	2,328
	Others	L.S.	1 1	o	1				·	0	1	120
	Sub Total			. [						. 0	20	2,448
2	Labor			2		· · · · · ·						
	Surveyer	manday	2			0	33	$(k_{1},k_{2}) \in \mathbb{R}^{n}$		. 0	66	7,920
	Low Class Crew	manday	2	[		- n	33	т		n	66	7920
		manaay	-			· · · · ·				Ű		
	Sub Total		1 1							0	132	15,840
			1 1	ł l						U.	104	10,070
	E muimur a nă		· ·					· · ·				
	Equipment							2000		0.000	0	0.000
	Survey Boat 70PS	dayunit	[ []	· · [	1			2280	0	2,280	0	2,280
	Sub Total									2.280	U	2,280
		J	ļ				l'				1	
				.								
		ļ	1. 1	1			1				L.	
	Total	]	ļ				]		ļ	2,280	152	20568

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

LA UNION	PORT	DEVELOPMENT	PROJECT
2A02		· · · ·	

UNIT FC: YEN

	US\$
112	1155

	Trailer Suction Hoppe	r Dredge	er 8000m3 pe	r day			LC: US\$	·	· .			US\$=¥120
No	Work Item	Unit	Quantity			Unit	: Cost			Cost p	Total	
				Mat	erial	Labor		Equipment		Amount		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1										
	Fuel & Lubricant	lr	27,720	0	0.33				н. Н	0	9,148	1,097,712
	Others	L.S.	1	. 0	52					0	52	6,240
	Sub Total						2 			0	9,200	1,103,952
				1997) 1997)			- N					
2	Labor						а. А. С					
	High Class Crew	manday	12			45000	0		•	540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475200	0	475,200
	Low Class Crew	manday	6			12000	0			72,000	0	72,000
	Sub Total									1,087,200	· · · 0	1,087,200
												· .
3	Equipment				]					994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 199		
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2744880	0	2,744,880
	Sub Total						ear tha			2744880	0	2,744,880
									· · · ·			
						· .			· .		· · ·	· .
	Total							i sa t		3,832,080	9,200	4,936,032

Fuel & Lubricant: 5000PS x 0.2 x 20H x 1.05 " 3200PS x 0.2 x 10H x 1.05

388

2A02-1

APPENDIX-3. EG	JUIPMENT COST	1
LA UNION PORT	DEVELOPMENT	PROJECT

2A02

UNIT

FC: YEN

•	Working Boat 480PS pe	er day			<b>.</b>		LC: US\$			·		US\$=¥120
No.	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
			{ [	Mate	erial	La	bor	Equ	ipment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr	403	. 0	0.33					0	133	15,959
	Others	L.S.	1 1	0	7					0	- 7	840
	Sub Total							· · ·	· · · ·	0	140	16,799
			ļ ]						j j			ļ
2	Labor					and the second						
	Middle Class Crew	manday	2			12000	0			24,000	· 0	24,000
	Low Class Crew	manday	2			0	33			0	66	7920
	Others	L.S.	1			0	0			0	0	0
	Sub Total	}		· ·						24,000	66	31,920
						÷		. •				
3	Equipment		1									
	Working Boat 480PS	dayunit	1					142,920	0	142,920	. 0	142,920
	Sub Total									142,920	O	142920
					1			1			-	
			1 (									
	Total	<u> </u>			·					166,920	206	191,639

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A02

### **UNIT** FC: YEN

US\$=¥120

LC: US\$

Passenger Boat 100PS per_day

No	Work Item	Unit	Quantity			Unit	t Cost			Cost	per day	Total
		1 ·	[	Material		Labor		Equipment		Amount		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		1 1							]		
	Fuel & Lubricant	Ir	105	0	0.33					0	35	4,158
	Others	L.S.	1	0	5				·	0	5	600
	Sub Total				·					0	40	4,758
2	Labor											
	Middle Class Crew	manday	0			0	0			0	0	C
	Low Class Crew	manday	2			0	. 33			0	66	7920
	Sub Total									0	- <b>6</b> 6	7,920
3	Equipment										-	
	Passenger Boat 100PS	dayunit	1				-	3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,48(
•		· ·										
	Total									3,480	106	16158

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

### LA UNION PORT DEVELOPMENT PROJECT

2A02

UNIT FC: YEN

\$ =`a	(1	2	Ω

· ·	Survey Boat 70PS p	er d <u>a</u> y					LC: US\$	· · · · ·				US\$=¥12
No	Work Item	Unit	Quantity			Un	it Cost			Cost p	er day	Total
				Mate	erial	La	bor	Equi	pment	Amc	ount	in
			<u> </u>	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr.	58.80	o	0.33					0	19	2.32
÷	Others	L.S.		0	1	•				0	. 1	12
•	Sub Total			.	1		·	· · · · ·		· 0	20	2,4
								- <u>-</u>				
2	Labor											
•	Surveyer	manday	2			C	33			· 0	66	7,9;
. •	Low Class Crew	manday	2			0	33			0	66	792
				· · · ]								
	Sub Total			ļ	ļ			•		0	132	15.84
•											· · · · •	
3	Equipment							. [				
	Survey Boat 70PS	dayunit	1	1				2280	· 0	2,280	. 0	2,28
	Sub Total		[ [	[						2,280	0	2,28
			1	1								
				1			· · · ·					
						1990 - A.						
÷	Total									2,280	152	2056
				·								

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

.

### LA UNION PORT DEVELOPMENT PROJECT

	LA UNION PORT DEV	ELOFMEN	I FROULUT				0					
	2A02						FC: YEN					
	Bulldozer 21t per da	У					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Un	it Cost			Cost p	er day	Total
			1 [	Mat	erial	La	abor	Equ	ipment	Amo		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	· ·					1					
	Fuel & Lubricant	lr -	522.00	0	0.32					· 0	167	19,982
	Others	L.S.	1	0	0		[			- 0	0	0
	Sub Total									0	167	19,982
2	Labor									•		
	Operator	manday	1		]	C	33			0	33	3,960
	Others	manday	0			Ċ	33			0	0	0
									1			
	Sub Total									0	33	3,960
							1					
3	Equipment											
	Buildozer 21t	dayunit	1					12360	0	12,360		12,360
	Sub Total				!		1	l ·		12,360	0	12,360
							1					ł
						· · ·						
		ļ										00000
	Total							· · ·		12,360	200	36302
	1	1	1 1		, · I		I	1			1	

UNIT

Fuel & Lubricant : 207PS x 0.2 x 12 x 1.05

2A02-5

1	٩٩٨	ENDI	X-3.	EC	QUIF	ME	NT	CO	ST	•	

LA UNION PORT DEVELOPMENT PROJECT

	LE ONION FORT DI		I TROULUT									
	2A02						FC: YEN					
	Backhoe 1.5m3 per	day					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost pe	er day	Total
			I F	Mate	erial	Lab		Equ	ipment	Amo		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		1									
	Fuel & Lubricant	Ir	764	0	0.32					0	244	29,246
	Others	L.S.	1	0	o		ļ			o	0	0
	Sub Total						-			o	244	29,246
					.							
2	Labor		1				1				· ·	· .
	Operator	manday	1			0	33			0	33	3,960
	Others	manday	0		· (	o	33			0	0	· 0
	Sub Total					}		-		0	33	3,960
						1						3,300
. 3	Equipment		1	ļ			}					
	Backhoe 1.5m3	dayunit	1					19440		19,440	0	19,440
	Sub Total					1				19,440	-	19,440
			[ [									
					· · ·							2 1 1
•	ł	1	1 1	(		1	[			1	· ·	
	Total									19,440	277	52646
	1		1 1	1	1							

UNIT

Fuel & Lubricant : 303PS x 0.2 x 12 x 1.05

#### LA UNION PORT DEVELOPMENT PROJECT 2A02

### UNIT FC: YEN

ZAUZ				1 C C C C C C C C C C C C C C C C C C C							
Generator 45KVA	per day				the second s	LC: US\$				·	US\$=¥12
No Work Item	Unit	Quantity			Unit	t Cost			Cost p	er day	Total
		[	Mat	eriai	Lat	or	Equ	ipment	Amo	unt	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material	}	<u> </u>									
Fuel & Lubricant	Ir	126	0	0.32					0	. 40	4.8
Others	L.S.	1	0	0					0,	0	
Sub Total		]							0	40	4,8
2 Labor						-					
Operator	manday	1			0	33			0	- 33	3,9
Others	manday	0			0	33			D	0	
Sub Total									0	33	3,9
3 Equipment						•					
Generator 45KVA	dayunit	1					1080	0	1,080	0	1,0
Sub Total	dayume								1,080		1.0
Sub Total				. 1							\$
Total		}							1,080	73	98
Total		{ }					1	1			

Fuel & Lubricant : 60PS x 0.2 x 10 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A03

UNIT FC: YEN

	Trailer Suction Hoppe	er Dredg	er 8000m3 p	er day			LC: US\$					US\$=¥120
No		Unit	Quantity			Unit	: Cost			Cost pe	er day	Total
			l i i i	Mate	erial	La	bor	Equi	pment	Amo	unt	in
			· · · · · · · · · · · · · · · · · · ·	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr 🛛	27,720	0	0.33	-				0	9,148	1,097,712
· · .	Others	LS.	1	0	52					0	52	6,240
	Sub Total									· 0	9,200	1,103,952
			•••							· · ·		
2	Labor											
-	High Class Crew	manday	12			45000	· 0			540,000	0	540,000
	Middle Class Crew	manday	1 1			39600	. 0			475200	· 0	475,200
	Low Class Crew	manday	í í			12000				72,000	0	72,000
	Others	L.S.	1			0	Ö			0	0	- 0
•	Sub Total									1,087,200	. 0	1,087,200
			.									
3	Equipment											
	1	dayunit	. 1					2,744,880	0	2744880	o	2,744,880
	Sub Total									2744880	o	2,744,880
												į
	Total									3,832,080	9,200	4,936,032

LA UNION PORT DEVELOPMENT PROJECT 2A03

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

US\$=¥120

Working Boat 480PS per day_

	HURKING DUAL HUULO DE	uay					<u></u>				······································	
No	Work Item	Unit	Quantity			Uni	t Cost			Cost per	r day	Total
				Mate	erial	La	bor	Equi	pment	Arnou	nt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr .	403	0	0.33				· ·	0	133	15,959
1	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
		1										
2	Labor		[ [								. (	
	Middle Class Crew	manday	2	-		12000	. 0		· · ·	24,000	0	24,000
	Low Class Crew	manday	2			0	33		1	0	66	7920
	Others	L.S.	1			0	0			· 0.	0	. 0
	Sub Total									24,000	66	31,920
									· ·			
3	Equipment											
	Anchor Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total								,	142,920	0	142920
				·		States and						
						+						· ·
	Total			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19						166,920	206	191,639

2A03-2

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

Work Item	Unit	Quantity									US\$=¥12
	,			the second s	Unr	t Cost			Cost per	day	Total
	· · · · · · · · · · · · · · · · · · ·		Mate	erial	La	bor	Equi	pment	Amour		ni
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 m 1 a 1 1 2 1											
Fuel & Lubricant	łr	105	0	0.33	6				0	35	4,1
Others	L.S.	1	0	5					0	5	6
Sub Total			}		•				0	40	4,7
	•		ł			s					
2 Labor			·								
Middle Class Crew	manday	0		· 1	01				· 0	0	
Low Class Crew	manday	2		· · ·	0	33			0	66	79
Sub Total				· · · · · · · · · · · · · · · · · · ·		] ]			0	66	7,
3 Equipment		1 1									:
Passenger Boat 100PS	dayunit	1	ĺ				3480	0	3,480	0	3,4
Sub Total			· ·	-					3,480	0	3,
				{							
· ·								·			

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

APPENDIX-3. EQUIPMENT COST
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LA UNION PORT DEVELOPMENT PROJECT 2A03

### UNIT FC: YEN

	Survey Boat 70PS p	er day			·		LC: US\$	·- <u></u> ·				US\$=¥120
No	Work Item	l Unit	Quantity			Unit	Cost			Cost p	er day	Total
			- [ · · · [	Mat	erial	La	bor	Equi	oment	Amo	unt	in in
				FC	LC	FC	LC	FC	LC	FC	LC	US\$
1	Material											
	Fuel & Lubricant	lr	58.80	0	0,33					· 0	19	2,328
	Others	L.S.	1 1	0	1				-	0	1	120
	Sub Total									0	20	2,448
2	Labor											
	Surveyer	manday	2			0	33			0	66	7,920
	Low Class Crew	manday	2			0	33			· 0	66	7920
	Sub Total									- 0	132	15,840
3	Equipment						1. A.					
	Survey Boat 70PS	dayunit						2280	0	2,280	. 0	2,280
	Sub Total		1 1							2,280		2,280
		1.			· · ·					1. A. A.		
	Total									2,280	152	20568
		{	[ . · [									

2A03-4

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

LA UNION PORT DE	VELOPME	NT PROJECT				UNIT FC: YEN		1			
2A04	N 1		• · · · ·								US\$=¥120
Trailer Suction Hopp			day			LC: US\$			Cost nor		Total
No Work Item	Unit	Quantity				Cost	Easte	oment	Cost per Amoun		in
	· .		Mat FC	LC	FC	bor LC		LC	FC	LC	YEN
1 Markaulal		{			····		f' •		tt-		
1 Material Fuel & Lubricant	h	27,720	. 0	0.33					0	9,148	1,097,712
Others	L.S.	1	0	52					0	52	6,240
Sub Total									0	9,200	1,103,952
2 Labor						_	1 ·	{			
High Class Crew	manday	12			45000	0			540,000	0	540,000
Middle Class Crew	manday	12	1 		39600	· . 0			475200	0	475,200
Low Class Crew	manday	6			12000	0	ų		72,000	0	72,000
Sub Total			· ·						1,087,200	0	1,087,200
3 Equipment											
Pump Dredger 8000PS	dayunit	1					2,744,880	0	2744880	. 0	2,744,880
Sub Total								· • .	2744880	0	2,744,880
						•					
Total									3,632,080	9,200	4.936.032

399

2A04-1

LA UNION PORT DEVELOPMENT PROJECT 2A04

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

	2804							1. Sec. 1. Sec					
	Working Boat 480PS pe	er day					LC: US\$	<u> </u>		· · · · · · · · · · · · · · · · · · ·		US\$=¥120	
No	Work Item	Unit	Quantity	Quantity Unit Cost Cost pe								Total	
				Mat	erial	La	bor	Egu	ipment	Amount		in	
	· · · · · · · · · · · · · · · · · · ·			FC	LC	FC	LC	FC	LC	FC	LC	YEN	
1	Material								1 1 1				
	Fuel & Lubricant	lr	403	· 0	0.33					0	133	15,959	
	Others	L.S.	1	. 0	. 7					0	7	840	
1	Sub Total	1								0	140	16,799	
1													
2	Labor								1				
-	Middle Class Crew	manday	2			12000	· 0			24,000	0	24,000	
	Low Class Crew	manday	2			Û.	33			0	66	7920	
	Others	L.S.	1			0	0			0	. 0	0	
	Sub Total	L.U.				Ĩ				24,000	66	31,920	
	Sub rotat								· ·	2,000		0.1020	
							· · · ·						
3	Equipment	J				1.		142,920	l de la compañía de	142.920	·	142,920	
	Working Boat 480PS	dayunit						142,320		1 1		142920	
	Sub Total							-		142.920	U I	142920	
· ·	and the second	${\bf r}_{\rm e}={\bf r}_{\rm e}$							[ .				
1 ···.								12					
	Total	1						L	L	166,920	206	191,639	

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

APPENDIX-3.	EQUIPMENT	COST	

LA UNION PORT DEVELOPMENT PROJECT

2A04

401

Passenger Boat 100PS per day LC: US\$ US\$=¥120 Cost per day Total Unit Cost Work Item Unit No Quantity Material Labor Amount in Equipment LC YEN FC LC FC FC LC FC LC 1 Material Fuel & Lubricant 105 0 0.33 35 4,158 0 llr. 5 600 L.S. 5 0 Others 0 40 4,758 Ø Sub Total 2 Labor Middle Class Crew 0 0 0 0 manday 0 0 Low Class Crew 33 0 66 7920 manday n 66 7,920 Sub Total 0 3 Equipment Passenger Boat 100PS 3480 3,480 dayunit 0 3,480 3,480 3,480 Sub Total 3,480 106 16158 Total

UNIT

FC: YEN

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

2A04-3

LA UNION PORT DEVELOPMENT PROJECT 2A04

UNIT FC: YEN LC: US\$

US\$=¥120

Survey Boat 70PS per day

	Ourvey Duar for O p	<u></u>					<u> </u>	·				000-+120
No	Work Item			Uni	Cost p	Total						
		Í		Mate	erial	La	bor	Equ	ipment	Amo	unt	in [
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
-	Fuel & Lubricant	lr	58.80	0	0.33					- 0	19	2,328
	Others	L.S.	1	_0	1					0	· · · 1	120
	Sub Total								-	0	20	2,448
	· · · · · · · · · · · · · · · · · · ·								· · · ·			
2	Labor											
	Surveyer	manday	2		· .	0	33			0	66	1
	Low Class Crew	manday	2			0	33			0	66	7920
:	Sub Total									0	13 <b>2</b>	15,840
									:			1
3	Equipment											
	Survey Boat 70PS	dayunit	. 1					2280	0	2,280		2,280
	Sub Total									2,280	0	2,280
	and the second second second							. ·				· .
							·					
	Total	].	] 1				· ·	· .	-	2,280	152	20568
	1		· ·		· · · · · ·	·				I		

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A04

UNIT FC: YEN LC: US\$

Bulldozer 21t per day	r			· · ·		LC: US\$		· · · · · · · · · · · · · · · · · · ·			US\$=¥120
Work Item	Unit	Quantity			Un	it Cost			Cost p	er day	Total
		1 . [	Mat	erial	Labor		Equipment		Amount		in
	·		FC	LC	FC	LC	FC	LC	FC	LC	YEN
Material			,								
Fuel & Lubricant	ir	522.00	0	0.32					0	167	19,982
Others	L.S.	t 1	0	0	н. -			· .	0	0	C
				}					0	167	19,982
Labor	н. Т.		а. — С.								
	mandav	1		].	a	33			0	33	3,960
	-				0				0	· ·	C
Sub Total				{ }					l n	33	3,960
Fourment											
	davaunit	1					12360	n	12 360	n	12,360
	dayonne	'					12000	· · · ·			12,360
SUD TOTAL		}							12,300		12,000
· ·											
		Į Į		}							00000
Total									12,360	200	36302
2	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others Sub Total Equipment	Material Fuel & Lubricant Ir Others L.S. Sub Total Labor Operator manday Others manday Sub Total Equipment Bulldozer 21t dayunit Sub Total	Work ItemUnitQuantityMaterialFuel & LubricantIr522.00OthersL.S.1Sub TotalLabor1Operatormanday1Othersmanday0Sub Total0Sub Total1Equipmentdayunit1Sub Total1	Work Item     Unit     Quantity       Material     FC       Fuel & Lubricant     Ir     522.00     0       Others     L.S.     1     0       Sub Total     Imanday     1     0       Labor     Operator     manday     1       Others     manday     0     0       Sub Total     Imanday     1     0       Equipment     dayunit     1       Sub Total     Imanday     1	Work Item     Unit     Quantity       Material     FC     LC       Material     FC     LC       Fuel & Lubricant     Ir     522.00     0     0.32       Others     L.S.     1     0     0       Sub Total     Imanday     1     0     0       Labor     Operator     manday     1     0       Others     manday     0     0       Sub Total     Imanday     1     0       Equipment     dayunit     1     1       Bulldozer 21t     dayunit     1     1	Work Item     Unit     Quantity     Unit     Material     La       Material     Ia     FC     IC     FC       Material     Ir     522.00     0     0.32       Others     L.S.     1     0     0       Sub Total     Ir     522.00     0     0.32       Labor     Operator     manday     1     0       Others     manday     0     0       Sub Total     Image: Sub Total     0     0       Equipment     Bulldozer 21t     dayunit     1	Work ItemUnitQuantityUnit CostMaterialLaborFuel & LubricantIrFuel & LubricantIrSub TotalIsolarQuantity00.3200.3200.3200.3200.3200.3200.3200.3200.3200.3200.3200.3200.3300.3400.3500.3600.3700.3800.3900.3300.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.4100.410	Work ItemUnitQuantityUnit CostMaterialLaborEquFuel & LubricantIr522.0000.32OthersL.S.100Sub Total200.320ChersMaterial000Sub Total0330Sub Total0330Sub Total0330Bulldozer 21tdayunit112360	Work Item         Unit         Quantity         Unit Cost           Material         Labor         Equipment           Fuel & Lubricant         Ir         522.00         0         0.32         Image: Constraint of the second seco	Work Item         Unit         Quantity         Unit Cost         Cost property           Material         Labor         Equipment         Amo           FC         LC         FC         LC         FC         LC         FC           Material         Labor         Equipment         Amo         O         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <t< td=""><td>Work ItemUnitQuantityUnit CostCost per dayMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr522.0000.3200Sub TotalI.S.1000167Labormanday10033033Chersmanday1033033Labormanday0033033Chersmanday003300Sub TotalImage: State Stat</td></t<>	Work ItemUnitQuantityUnit CostCost per dayMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr522.0000.3200Sub TotalI.S.1000167Labormanday10033033Chersmanday1033033Labormanday0033033Chersmanday003300Sub TotalImage: State Stat

Fuel & Lubricant : 207PS x 0.2 x 12 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A04

### **unit** FC: Yen

Backhoe 1.5m3 per day

LC: US\$

US\$=¥120

	Backhoe 1.5m3 per	day					<u>LV. USØ</u>					0.00-+12
No	Work Item Unit		Quantity			Un	it Cost			Cost p	Total	
				Material		Labor		Equipment		Amount		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	Ir	764	0	0.32					0	244	29,24
	Others	L.S.	1	o	0					0	. 0	
	Sub Total									0	244	29,24
2	Labor											
	Operator	manday	1	}		C	33			0	33	3,96
	Others	manday	0			0	33			0	0	
						•						
1	Sub Total									0	33	3,9(
3	Equipment											
	Backhoe 1.5m3	dayunit	1			· ·		19440	0	19,440	. 0	19,44
	Sub Total									. 19,440		19,44
										1997 - E		
						· .						
	Total					· · · ·	<b>*</b> -			19,440	277	5264
		-1	1 ·					· ·				-

Fuel & Lubricant : 303PS x 0.2 x 12 x 1.05

404

2A04-6

	APPENDIX-3. EQUIF LA UNION PORT DEV 2A04		• •									
	Generator 45KVA pe	a second s	<u></u>			<u> </u>	LC: US\$	- <u></u>	<u></u>			US\$=¥120
No	Work Item	Unit	Quantity			Uni	t Cost			Cost p	er day	Total
				Mate	erial	La	bor	Equ	ipment	Amo	unt	in
			] · [	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1	11	î				<u></u>				
	Fuel & Lubricant	Ir	126	o	0.32					0	40	4,823
	Others	L.S.	1	o	0			-		0	0	0
	Sub Total					te a				0	40	4.823
2	Labor			1				· .				
	Operator	manday	1	· l		0	33			0	33	3,960
	Others	manday	0			0	- 33			0	o	0
	Sub Total		1 1	1						0	33	3,960
										J		
2	Equipment											
	Generator 45KVA	dayunit	1					1080		1,080	ol	1,080
	Sub Total	adyanic							Ĵ	1,080		1.080
	dab rotar			1			•		· ·	,	Ĭ	1.000
				[							· ·	
		1										
	Total						]			1,080	73	9863
				[						.,		

Fuel & Lubricant : 60PS x 0.2 x 10 x 1.05

405

2A04-7

#### LA UNION PORT DEVELOPMENT PROJECT

2A05,2A07,2A08 and 2A09

Trailer Suction Hopper Dredger 8000m3 per day

FC: YEN

UNIT

US\$=¥120

i railer Suction Hoppe	r Dieuger	ouuuna per	uay			LU. U.34					<u> </u>
lo Work Item	Unit	Quantity			Unit	Cost			Cost pe	r day	Total
		-	Mate	rial	Lab	our	Equis	oment	Amou	int	in
			FC	LC	FC	LC	FC	LC	FC	LO	YEN
1 Material											
Fuel & Lubricant	lr	27,720	0	0.33					0	9,148	1,097,7
Others	L.S.	1	o	52					. 0	52	6,2
Sub Total									0	9,200	1,103,9
2 Labour											
High Class Crew	manday	12			45000	0			540,000	0	540,0
Middle Class Crew	manday	12			39600	0			475200	0	475,2
Low Class Crew	manday	6			12000	0			72,000	0	72,0
Others	L.S.	1			0	0			. 0	0	
Sub Total									1,087,200	0	1,087,2
			. 1								
3 Equipment							1. 1.		·		
Pump Dredger 8000PS	dayunit	1					2,744,880	0	2744880	0	2,744,8
Sub Total									2744880	0	2,744,8
				-					· · [		
			. 1								
Total									3,832,080	9,200	4,936,0

2A05-1 2A07-1 2A08-1 2A09-1

	LA UNION PORT DEVE 2A05,2A07,2A08 and 2A09		PROJECT				UNIT FC: YEN					
	Working Boat 480PS p	er day					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost pe	r day	Total
				Mate	erial	Lab	our	Equi	oment	Amor	unt	in 🗜
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material				· · · · · · · · · · · · · · · · · · ·							
	Fuel & Lubricant	ir i	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					· 0	7	840
	Sub Total								1	o	140	16,799
	a second a second s											
2	Labour					1.1						
	Middle Class Crew	manday	2			12000	. 0		ļ	24,000	0	24,000
	Low Class Crew	manday	2			0	33		· · · ·	0	66	7920
	Others	L.S.	1			0	0	ŀ		0	0	0
	Sub Total		1			÷				24,000	66	31,920
				ļ	4							· .
3	Equipment				-							
-	Anchor Boat 480PS	dayunit	1		· · · · · ·			142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142920
			1				· ·					
									1	i i i i i i i i i i i i i i i i i i i	1	
	Total									166,920	206	191,639

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

APPENDIX-3. EQUIPMENT COST

2A05-2 2A07-2 2A08-2 2A09-2

407

LA UNION PORT DEVELOPMENT PROJECT

UNIT

2A05,2A07,2A08 and 2A09 Passenger Boat 100PS per day FC: YEN LC: US\$

US\$=¥120

	the second s	Quantity		<u>.</u>	Uni	t Cost			Cost	per day	Total
WORK LCOIT		Graditicity	Mate	erial			Equi	pment			in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
Material	1										_
Fuel & Lubricant	Ir	105	0	0.33					0	. 35	4,1
	L.S.	1	0	5					0	. 5	60
Sub Total									0	40	4.75
Labour							-				
Middle Class Crew	manday	. 0		· · · ·	. 0	` 0			0	1 1	
Low Class Crew	manday	2	-		0	33		:	0	66	79:
Sub Total									0	66	7,9:
Equipment											
Passenger Boat 100PS	dayunit	1					3480	0			3,4
Sub Total					,				3,480	0	3,4
Totał					. · · · ·				3,480	106	1615
	Work Item Material Fuel & Lubricant Others Sub Total Labour Middle Class Crew Low Class Crew Sub Total Equipment Passenger Boat 100PS Sub Total	Material Fuel & Lubricant Ir Others L.S. Sub Total Labour Middle Class Crew manday Low Class Crew manday Sub Total Equipment Passenger Boat 100PS dayunit Sub Total	Work ItemUnitQuantityMaterialIr105Fuel & LubricantIr105OthersL.S.1Sub TotalIr105Labourmanday0Low Class Crewmanday2Sub TotalIr1EquipmentPassenger Boat 100PSdayunit1Sub TotalIr1	Work ItemUnitQuantityMaterialFCMaterialIrFuel & LubricantIrFuel & LubricantIrOthersL.S.Sub TotalLabourMiddle Class CrewMiddle Class CrewSub TotalEquipmentPassenger Boat 100PSSub Total	Work Item     Unit     Quantity       Material     FC     LC       Material     FC     LC       Material     Ir     105     0     0.33       Others     L.S.     1     0     5       Sub Total     Intervention     Intervention     Intervention     Intervention       Labour     Material     Intervention     Intervention     Intervention       Middle Class Crew     manday     0     Intervention     Intervention       Low Class Crew     manday     2     Intervention     Intervention       Sub Total     Intervention     Intervention     Intervention       Sub Total     Intervention     Intervention     Intervention       Sub Total     Intervention     Intervention     Intervention	Work Item     Unit     Quantity     Unit     Material     Lat       Material     FC     LC     FC       Material     Ir     105     0     0.33       Others     L.S.     1     0     5       Sub Total     Interval     Interval     0       Labour     manday     0     0       Middle Class Crew     manday     2     0       Sub Total     anday     2     0       Equipment     Passenger Boat 100PS     dayunit     1	Work ItemUnitQuantityUnit CostMaterialLabourMaterialImage: Cost of the second se	Work ItemUnitQuantityUnit CostMaterialLabourEquiFuel & LubricantIr10500.33OthersL.S.105Sub TotalImage: Science of the scie	Work Item     Unit     Quantity     Material     Labour     Equipment       Material     Labour     Equipment     FC     LC     FC     LC       Material     Ir     105     0     0.33     Ir     Ir       Fuel & Lubricant     Ir     105     0     0.33     Ir     Ir       Others     L.S.     1     0     5     Ir     Ir       Sub Total     Ir     105     0     0.33     Ir     Ir       Labour     manday     0     0     0     0       Low Class Crew     manday     2     0     33       Sub Total     Ir     Ir     Ir     3480     0       Sub Total     Ir     Ir     Ir     Ir     Ir     Ir	Work ItemUnitQuantityUnit CostCost ( Equipment)MaterialLabourEquipmentAmFCLCFCLCFCMaterialIr10500.330OthersL.S.10500Sub TotalImage: Cost ( Passenger Boat 100PSMaterial000Sub TotalImage: Cost ( Passenger Boat 100PSMaterial100Sub TotalImage: Cost ( Passenger Boat 100PSImage: Cost ( Passenger Boat 100PS <t< td=""><td>Work Item         Unit         Quantity         Material         Labour         Equipment         Amount           Material         Labour         Equipment         Amount         Amount         IC         FC         LC         FC</td></t<>	Work Item         Unit         Quantity         Material         Labour         Equipment         Amount           Material         Labour         Equipment         Amount         Amount         IC         FC         LC         FC

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

2A05-3 2A07-3 2A08-3 2A09-3

2A05,2A07,2A08 a Survey Boat 70F	'S per day			· .		FC: YEN LC: US\$			······································	·	US\$=¥120
No Work Item	Unit	Quantity				Cost			Cost per		Total
			Mate		Labo			ipment	Amour		in
		┢──────	FC	LC	FC	LC	FC	LC	FC		US\$
1 Material	1	[ [	[		(	ĺ	1				
Fuel & Lubricant	ļir 👘	58.80	0	0.33					0	19	2.328
Others	LS.	1	0	1	· · ]				0	1	120
Sub Total									0	20	2,448
	1										
2 Labour	- · ·	1	. }	1							
Surveyer	manday	2			o	33			0	66	7,920
Low Class Crew	manday	2	}		o	33			0	66	7920
Sub Total			· · ·						0	132	15,840
										1	
3 Equipment		1	·		•	1				· ·	
Survey Boat 70PS	dayunit	1			1		2280	0	2,280	0	2,280
Sub Total					1				2,280	o	2,280
	[	[ [	Į.	[	[		1			[	
	ł										
Total									2,280	152	20568
	1										

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

APPENDIX-3. EQUIPMENT COST

409

2A05-4 2A07-4 2A08-4 2A09-4

LA UNION PORT DEVELOPMENT PROJECT

2A06

UNIT FC: YEN

Trailer Suction Hopper Dredger 8000m3 per day

LC: US\$

US\$=¥120

o Work Item	Unit	Quantity			Unit	Cost			Cost pe	er day	Total
			Mate	rial	Lat	or	Equip	ment	Amo	unt	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material											
Fuel & Lubricant	lr	27 720	0	0.33					0	9,148	1,097,71
Others	L.S.	1	D	52					0	52	6.24
Sub Total									0	9,200	1,103,95
				ţ							
2 Labor						14 - C					· · · ·
High Class Crew	manday	12		·	45000	0			540,000	. 0	540,00
Middle Class Crew	manday	12			39600	0	1	÷	475200	. 0	475,20
Low Class Crew	manday	_	1	1	12000	0			72,000	0	72,00
Sub Total		-				1			1,087,200	0	1,087,20
		ł	1								•
3 Equipment											
Pump Dredger 8000PS	dayunit	1					2,744,880	0	2744880	0	2,744,88
Sub Total			· · · •						2744880	0	2,744,88
		1							· · · ·		
Total								· .	3,832,080	9,200	4,936,03

3200PS x 0.2 x 10H x 1.05

"

### LA UNION PORT DEVELOPMENT PROJECT

2A06

411

UNIT FC: YEN

U

	Working Boat 480PS pe	er day			•		LC: US\$		· · ·			US\$=¥120
No	Work Item	Unit	Quantity			Uni	t Cost			Cost pe	er day	Total
	1 · · · ·		\$. [	Mat	erial	La	bor	Equi	pment	Amoi	unt	, in
		· ·		FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	Ir	403	0	0.33	· ·				0	133	15,959
	Others	L.S.	1	0	7					· 0	7	840
	Sub Total		1 1			•				0	140	16,799
			1 1	1		•	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -					
2	Labor				1. A. 1.							
- 14 - 14	Middle Class Crew	manday	2			12000	· 0			24,000	0	24,000
	Low Class Crew	manday	2			. 0	- 33			0	66	7920
	Others	L.S.	1			0	: . O			0	0	0
	Sub Total									24,000	66	31,920
			1			· · · ·						
3	Equipment											
	Working Boat 480PS	dayunit	1 1					142,920	0	142,920	0	142,920
· · ·	Sub Total									142,920	C .	142920
				1999 - A.A.								
							)·				· ·	
· .	Total									166,920	206	191,639

Fuel & Lubricant : 480PS × 0.2 × 4 × 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A06

# UNIT

	LA UNION PORT DEV	ELOPMENT	PROJECT				ONLE					
	2A06						FC: YEN					
	Passenger Boat 100P	S per day		<u>-</u> .			LC: US\$				·	US\$=¥120
No	Work Item	Unit	Quantity		-	Unit	Cost			Cost	per day	Total
			4	Mate	erial	Lab	or	Equi	pment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir	105	0	0.33					i - 0	35	4,158
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	40	4,758
				·								
2	Labor		] ]	1		н. А. С. С.						
	Middle Class Crew	manday	0			D	<u>م</u> '			D	0	. (
	Low Class Crew	manday	2			0	- 33			0	66	7920
	Sub Total			ſ						0	66	7,920
	Equipment		1	1						1 A.		
	Passenger Boat 100PS	dayunit	1	1				3480	0	3,480	0	3,480
	Sub Total									3,480	· 0	3.480
			Í	i						· ·		
				[	. [					}		. •
	Total									3,480	106	16158
	•	1							L	r	<b>1</b>	

2A06~3

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

	LA UNION PORT DEV 2A06	$k_{\rm eq} = 1.1$	II PROJECI	·		F	JNIT C: YEN			н 1910 г. – С		
	Survey Boat 70PS pe						.C. US\$		·			US\$=¥120
No	Work Item	Unit	Quantity		·		Cost			Cost per		Total
		1.		Mate		Lab			pment	Amou		in
		<u></u>	<u> </u>	FC	LC	FC		FC	LC	FC		YEN
1	Material											
	Fuel & Lubricant	lr	58.80	0	0.33				. ·	0	19	2,32
	Others	L.S.	1	0	1	(	1			. 0	· · · · · · · · · · · · · · · · · · ·	12
	Sub Total									0	20	2,44
			] ]	1					· ·			
2	Labor						1	· · · ·		· .	· •	
	Surveyer	manday	2			0	. 33			0	66	7,92
	Low Class Crew	manday	2	1		0	33	. (		0	66	792
							·					
	Sub Total	1.	]		1	1	1	· [		0	132	15,84
1.1									1.1			
	Equipment											
	Survey Boat 70PS	dayunit	T T	l l			1	2280	0	2,280	0	2,28
	Sub Total	· ·								2,280	oļ	2,28
	· ·	1		1								
		1										
	Total	1	1 1	1	1					2,280	152	2056

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

معتمد 413

LA UNION PORT DEVELOPMENT PROJECT

2A06

Buildozer 21t ner dav

FC: YEN LC: US\$

UNIT

US\$=¥120

	Buildozer 21t per d	ay					LU: USØ					030-+120
No		Unit	Quantity			Un	it Cost			Cost p	er day	Total
		1	[	Mate	erial	La	bor	Equ	ipment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
l	Fuel & Lubricant	ir -	522.00	0	0.32					0	167	19,982
	Others	L.S.	. 1	0	0					0	0	0
	Sub Total			1					ŀ .	0	167	19,982
						· . ·						
2	Labor											
	Operator	manday	1			0	33			0	33	3,960
	Others	manday ·	0			0	33			0	0	0
	1. A.											
· .	Sub Total								1. P	0	33	3,960
								· · ·				
. 3	Equipment											
- 1. A	Bulldozer 21t	dayunit	1					12360	C		1	12,360
	Sub Total									12,360	. 0	12,360
								- <u>-</u>				
												·
·						s - 1						
	Total				'					12,360	200	36302
· ·			· ·					[ ·				

Fuel & Lubricant : 207PS x 0.2 x 12 x 1.05

	LA UNION PORT DEV	ELOPMEN	IL PROJECT				UNIT FC: YEN					
	2A06									•		US\$=¥120
_	Backhoe 1.5m3 per o			<u></u>			LC: US\$			Cost pe	ar day	Total
Vo	Work Item	Unit	Quantity		~1		it Cost		in a saf	Amo		in
				Mate FC	LC	FC	bor LC	FC	ipment LC	FC	LC	YEN
		<u> </u>	├ <u>─</u> ───┤	<u>_</u>		FU	<u></u>	<u>-</u>	<u>_</u>	<u>``</u>		
-	Material		764	0	0.32						244	29,24
- 1	Fuel & Lubricant	lin .		0	0.02	•				. O	0	
1	Others	L.S.		U							244	29,24
	Sub Total					· ·		· · ·				20,21
2	Labor											· · ·
	Operator	manday	1 1	(		0	33			0	33	3,96
1	Others	manday	o			. 0	. 33			0	0	
÷						1						0.00
Î	Sub Total	1.1								U U	33	3,96
3	Equipment											
.	Backhoe 1,5m3	dayunit	1					19440	0	19,440	0	19,44
	Sub Total									19,440	0	19,44
. 1	· · · · ·		1 1	. [								
	Total				. 1		<b>I</b>			19,440	277	5264

Fuel & Lubricant : 303PS x 0.2 x 12 x 1.05

2A06-6

LA UNION PORT DEVELOPMENT PROJECT 2A06

#### UNIT FC: YEN

LC: US\$

US\$=¥120

Generator 45KVA per day

No	Work Item	Unit	Quantity			Uni	t Cost			Cost p	er day	Total
			I F	Mate	rial	La	bor	Equ	ipment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir	126	0	0.32					0	40	4,823
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	40	4,823
2	Labor											
	Operator	manday	1 1			· 0	33			· 0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									.0	33	3,960
2	Equipment											
	Generator 45KVA	dayunit	.					1080	0	1,080	0	1,080
	Sub Total	Gayonic								1,080	0	1,080
• •	·					. '						
			<b>I</b> - <b>I</b>						1			
· · ·	Total					.		1990 - S. 1990 -	· · ·	1,080	73	9863

2A06-7

Fuel & Lubricant : 60PS x 0.2 x 10 x 1.05

nte S	APPENDIX-3. EQUIPM LA UNION PORT DEVE			г		· : · · ·						
сн. Н	2A10,2A11 and 2A12 Grab Bucket Dredger20	)0m3 ne	r dav	·			FC: YEN LC: US\$				• •	US\$=¥120
No	Work Item	Unit	Quantity			Un	it Cost		·····	Cost pe	er day	Total
				Mat	erial		bor	Equip	oment	Amo		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
2	Material Fuel & Lubricant Others Sub Total Labor High Class Crew Middle Class Crew Low Class Crew Others Sub Total	Ir L.S. manday manday manday L.S.	7,560 1 4 10 6 1	0 0	0.330 157	45000 12000 0 0				0 0 180,000 120000 0 0 300,000	•	299,376 18,840 180,000 120,009 23,760 0 323,760
3	Equipment Grab Bucket Dredger 20m Sub Total Total	3 dayunit	1					986,760	0	986760 936760 1,286,760	0 0 2,850	986,760 986,760 1,310,520

Fuel & Lubricant: 2000PS x 0.2 x 18H x 1.05

417

2A10~1 2A11~1 2A12~1

UNIT

LA UNION PORT DEVELOPMENT PROJECT

2A10,2A11 and 2A12

Pusher Boat 3000PS per day

FC: YEN

US\$=¥120

	Pusher Boat 3000PS per d	ay					LU: U34					0.00+12
No	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
				Mat	erial	Lat	oor	Equip	oment	Amo	unt	in -
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											. •
	Fuel & Lubricant	lr.	9,450	. 0	0.330		1			0	3,119	374,2:
	Others	L.S.	1	0	58					0	58	6,9
	Sub Total									0	3.177	381,1
					1							
2	Labor				:							
	High Class Crew	manday	1			45000	0			45,000	0	45,0
	Middle Class Crew	manday	3	:		12000	0		· · ·	36000	. 0	360
	Low Class Crew	manday	2			0	33		•	0	66	7,9
•	Others	LS	1			0	0			0	· 0	
	Sub Total									81,000	66	88,9
								. '				
3	Equipment											
	Pusher Boat 3000PS	dayunit	. 1	*				164,880	0	164,880	. 0	164,8
	Sub Total									164,880	0	164,8
								10 C				
· .	Total								<b>1</b> .	245,880	3,243	634,9
÷ .			] [						,	i 1		

2A10-2 2A11-2 2A12-2

Fuel & Lubricant : 3000PS × 0.2 X 9 × 1.05 : 2000PS × 0.2 × 9 × 1.05

	APPENDIX-3. EQUIPME LA UNION PORT DEVEL				-	•	UNIT					
	2A10,2A11 and 2A12 Anchor Boat 480PS per		PROJECT				FC: YEN LC: US\$	н 1. г.	÷ .			US <b>\$=</b> ¥120
No.	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
				Mat	erial	La	bor	Equip	ment	Amo	unt	in
		<u> </u>		FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material Fuel & Lubricant Others Sub Total	ir L.S.	403 1	0	0.330 7					0	133 7 140	840
2	Labor Middle Class Crew Low Class Crew Others Sub Total	manday manday L.S.	2 2 1			12000 0 0	0 33 0			24,000 0 24,000	0 66 0	24,000 7920 0 31,920
	Equipment Anchor Boat 480PS Sub Total	dayunit	1					142,920	0	142,920 142,920	0	142,920 142920
	Totel									166,920	206	191,639

2A10-3 2A11-3 2A12-3

Fuel & Lubricant : 480PS x 0.2 x 4 x 1.05

# UNIT

UNIT

LA UNION PORT DEVELOPMENT PROJECT

2A10,2A11 and 2A12

FC: YEN LC: US\$

	Hopper Barge 3,500m	3 per day	v			· .	LC: US\$					US\$=¥120
No		Unit	Quantity	r			Cost			Cost p	er day	Total
				Mat	erial	La	por	Equir	oment	Amo	ount	in
				FC	LC	FC	LC	FC	ŁC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ĺr	0	0	0					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
		-										
	Labor						i					
	Low Class Crew	manday	2			· 0	33			0	66	7,920
	Others .	L.S.	1		5	0	0			0	0	0
	Sub Total									0	66	7,920
	Equipment	4	1		[			195,000		195,000		195,000
	Hopper Barge 3500m3	dayunit						190,000	Ű	195,000		195,000
-	Sub Total									100,000	Ŭ	100,000
		{										
	Total									195,000	66	202,920
			ł									

2A10-4 2A11-4 2A12-4

100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	•	APPENDIX-3, EQUIPM LA UNION PORT DEV						UNIT	· .	· ·		· .	
• •		2A10,2A11 and 2A12 Passenger Boat 100P	1.14	TROOLOT				FC: YEN LC: US\$					US\$=¥120
· ·	No	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
1. A.			ł	1	Mate	erial	Lat		Equip	ment	Amo	ount	in
- ·	·				FC	LC	FC	LC	FC	LC	FC	LC	YEN
	1	Material Fuel & Lubricant Others	lr L.S.	105 1	0	0.330 5					0	35 5	4,158 600
	2	Sub Total Labor									U	40	4,758
		Middle Class Crew Low Class Crew Sub Total	manday manday	2		· ·	0	0 33			0 0 0	0 66 66	0 7,920 7,920
		Equipment Passenger Boat 100PS Sub Total	dayunit	1					3480	0	3,480 3,480	0	3,480 3,480
		Total									3,480	106	16,158

Fuel & Lubricant : 100PS x 0.2 x 5 x 1.05

2A10-5 2A11-5 2A12-5

LA UNION PORT DEVELOPMENT PROJECT

2A10,2A11 and 2A12 Survey Boat 70PS per day

•	FC:	YEN
	LC:	US\$

UNIT

1	1S\$=¥1	20

	Survey Boat 70PS p	er day					LU: US\$					022=#120
No		Unit	Quantity			Unit	Cost			Cost p	er day	Totai
				Mate	rial	Lal	or	Equip	ment	Amo	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	tr .	58.80	0	0.330					0	19	2.328
	Others	L.S.	1	0	1					0	1	120
	Sub Total								· · · · ·	1 ¹ 0	20	2,448
2	Labor								-			
•	Surveyer	manday	0		j	0	46			0	0	0
	Low Class Crew	manday	2		ĺ	0	33			0	66	7920
	Sub Total				E I				н 1911 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -	0	66	7,920
3	Equipment				·							
	Survey Boat 70PS	dayunit	1 I			$(1, \dots, n) \in \mathbb{R}^{n}$		2280	0	2,280	0	2,280
· .	Sub Total									2,280	·· 0	2,280
•								× .				
•					ł		* 4 1					
	Total									2,280	86	12,648

Fuel & Lubricant : 70PS x 0.2 x 4 x 1.05

2A10-6 2A11-6 2A12-6

APPENDIX-3.	EQUIPMENT	COST

LA UNION PORT DEVELOPMENT PROJECT

423

UNIT FC: YEN LC: US\$

	2A13 Bulldozer 21t_per_da	ан ала 1910 - Сан <b>у</b> г			· · · · · ·		FC: YEN LC: US\$			· · · · · · · · · · · · · · · · · · ·		US\$=¥120
No	Work Item	Unit	Quantity			Unit (	Cost			Cost p	er day	Total
				Mat	erial	La	bor	Equip	ment	Ame	ount	in
		·		FC	LC	FC	LC	FC	LC	FC	LC	YEN
. 1	Material											
	Fuel & Lubricant	Ir .	434	0	0.33					0	143	17186
	Others	L.S.	1	0	0	1. e				0	0	· · · 0]
	Sub Total	1								0	143	17,186
									· ·			
2	Labor											
	Operator	manday	1			. 0	. 33			0	33	3,960
	Others	manday	0			. 0	0			0	· 0	0
	Sub Total					}				0	33	3,960
					1		· ·			1		
3	Equipment		1. I.					1.0	1997 - A. 1997	1 · · ·		
	Tug boat 450PS	dayunit	I I			-		12,360	0	12,360	0	12,360
	Sub Total									12,360	0	12,360
						}		{				
. 1	Total						1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			12,360	176	33,506
								1 -				

Fuel & Lubricant: 207PS x 0.2 x 10 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2A13

#### UNIT FC: YEN

	Backhoe 1.5m3 per da			<u> </u>			LC: US\$		·····	· · · · · · · · · · · · · · · · · · ·		US\$=¥120
No	Work Item	Unit	Quantity				Cost			Cost pe		Total
			1 L	Mate			oor		ment	Amou		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material								1			
	Fuel & Lubricant	ir	636	0	0.33				· f	0	210	25186
	Others	L.S.	1	0	2					0	2	240
	Sub Total									O	212	25,426
2	Labor											
	High Class Operator	manday	0			0	. 0			0	o	(
	Middle Class Operator	manday	1			0	33		Į	0	33	3,960
	Low Class Operator	manday	0			· 0	0			o	0	(
	Sub Total									0	33	3,960
							1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					
3	Equipment				ļ					]		
	Backhoe 1.2m3	dayunit	1				•	15,240	0	15,240	0	15,240
	Sub Total									15,240	0	15,240
										1.0		
	Total									15,240	245	44,626

Fuel & Lubricant: 303PS x 0.2 x 10 x 1.05

No	APPENDIX-3. EQUIP LA UNION PORT DEV 2B01 and 2C01 Tug boat 450PS per Work Item	ELOPMENT				Unit (			iment	Cost p Amo		US\$=¥120 Total in
N.				FC Mate	LC	FC FC	LC	FC	LC	FC	LC	YEN
2	Material Fuel & Lubricant Others Sub Total Labour High Class Crew Middle Class Crew Low Class Crew Sub Total	lr L.S. manday manday manday	378 1 0 1 2	0	0.330 5	45000 0 0	0 100 33			0 0 0 0 0 0 0	125 5 130 0 100 66 166	14969 600 15,569 12,000 7,920 19,920
	Equipment Tug boat 450PS Sub Total Total	dayunit	1					19,320	0	19,320 19,320 19,320	0 0 296	19,320 19,320 54,809

Fuel & Lubricant: 450PS x 0.2 x 4 x 1.05

426

LA UNION PORT DEVELOPMENT PROJECT 2B01 and 2C01

# UNIT

FC: YEN

	Pontoon 500t per	day			•		LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity	[		Unit	Cost			Cost p	ber day 🛛 .	Total
			· · ·	Mat	erial	Lat	our	Equip	ment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir	o	0	0.375		1			0	0	0
	Others	L.S.	1	0	0					0	- 0	0
	Sub Total									0	·. 0	0
ļ			. ·									
2	Labour								· ·			
(	High Class Crew	manday	0_0			45000	0	l l		0	0	0
· ·	Middle Class Crew	manday	. 0			12000	. 0			. 0	0	0
	Low Class Crew	manday	2			. 0	33			0	66	7,920
	Sub Total		·	1						. 0	66	7,920
				1							<b>)</b> .	
3	Equipment					· .	-					
	Pontoon 500t	dayunit	1			-		14,400	. 0	14,400	. 0	14,400
	Sub Total									14,400	0	14,400
		1	1. ·									
	Total	1.	· ·	.						14,400	66	22,320
· ·						· ·						

2B01-2 2C01-2

	APPENDIX-3. EQUIP LA UNION PORT DEV 2B01 and 2C01 Working boat 100PS p	ELOPMENT					UNIT FC: YEN LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			the second s	Cost	·		Cost p	er day	Total
ļ.			_	Mate		the second s	our	Equip	ment	Amo		in
	·			FC	LC	FC	LC	FC	LC	FC	LC	YEN
2	Material Fuel & Lubricant Others Sub Total Labour High Class Crew Middle Class Crew Low Class Crew Sub Total	Ir L.S. manday manday manday	168 1 0 0 2	0	0.330 0	45000 12000 0	0 0 33			0 0 0 0 0 0 0	55 0 55 0 0 66 66	6,653 0 6,653 0 7,920 7,920
	Equipment Tug boat 450PS Sub Total Total	dayunit	Ĩ					3,480	0	3,480 3,480 <b>3,480</b>	0 0 1 <b>21</b>	3,480 3,480 18,053

2B01-3 2C01-3

Fuel & Lubricant: 100PS x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

#### UNIT

2B01 and 2C01

FC: YEN LC: US\$

	Backhoe 1.2m3 per	day					LC: US\$	· · · · · · · · · · · · · · · · · · ·				US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost pe	r day	Total
			1	Material		Labour	_	Equipment		Amount		în j
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		T					I		· · · · · .		
	Fuel & Lubricant	lr.	538	0	0.330					. 0	178	21305
	Others	L.S.	1	0	2					0	2	240
	Sub Total									O	180	21,545
2	Labour											
	High Class Operator	manday	0			0	0			. 0	0	0
	Middle Class Operator	manday	1			0	- 33			o	33	3,960
	Low Class Operator	manday	· 0		A 4	0	0			0	0	0
	Sub Total									0	33	3,960
	t e e e e e e e e e e e e e e e e e e e											
3	Equipment							1				
1	Backhoe 1.2m3	dayunit	1					15,240	· 0	15,240	- 0	15,240
	Sub Total	ł .			1		1	( ·		15,240	0	15,240
		-	1		ĺ					a a a a		
	Total									15,240	213	40,745
							L					

2B01-4 2C01-4

Fuel & Lubricant: 224PS x 0.2 x 8 x 1.05

APPENDIX-3.	EQUIPMENT	COST
	••••••••••••••••••••••••••••••••••••••	

LA UNION PORT DEVELOPMENT PROJECT 2801 and 2001

UNIT FC: YEN

	ZBUI and ZGUI						FU: TEN					
··· . ·	Crawler Crane 30ton	per day					LC: US\$			· · · · · · · · · · · · · · · · · · ·		US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost	er day	Total
				Mat	erial	Lat	our	Equip	ment	Am	ount	in
			•	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material					_						
1.11	Fuel & Lubricant	lr ·	252	· · · 0	0.330					0	83	9979
	Others	L.S.	1	- · · 0	7					0	7	840
, z	Sub Total									0	90	10,819
			· .			· · · ·			е. 1914 г. – 1917 г. – 1	<b>.</b> .		
2	Labour	la de la companya de									· ·	
	High Class Operator	manday	0			0	0			0	. 0	0
	Middle Class Operator	manday	· 1			0	33	5		0	33	3,960
· · .	Low Class Operator	manday	: 0			. 0	0			0	i 0	0
	Sub Total									0	33	3,960
		ļ	[ ·· ]		[ [			(		[	í · .	
3	Equipment											
· .	Crawler crane 30t	dayunit	. 1			· · ·		13,440	0	13,440	. O	13,440
•	Sub Total				ļ · ]					13,440	0	13,440
		1 ·										
	Total								,	13,440	123	28,219
	and the second				i · i						•	· ·

Fuel & Lubricent: 150PS x 0.2 x 8 x 1.05

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429

2B01-5 2C01-5

LA UNION PORT DEVELOPMENT PROJECT

2B02 and 2C02

FC: YEN

	Tug boat 250PS per day	,					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost	Total
				Mat	erial	L	abour	Equipment		Amount		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1							-	- -	. [	
	Fuel & Lubricant	lr.	52.50	0	0.33					0	17	2,079
	Others	L.S.	1	0	0.00	· · ·				· 0	0	0
	Sub Total									0	17	2,079
								*.				
2	Labour							· .				
1	Middle class crew	man.day	1 1			0	100.00	·		0	100	12,000
	Low class crew	man.day	1	*		0	33.00		- -	. 0	33	3,960
	Sub Total								<b>.</b> .	0	133	15,960
											5 C	
3	Equipment											
	Tug boat 250PS	day	1					11760	0	11,760	. 0	11,760
	Sub Total		}							11,760	. 0	11,760
						+						
	Total							· .		11,760	150	29,799
	рі 1						l l					

2B02-1 2C02-1

Fuel & Lubricant: 250ps x 0.2 x 1 x 1.05

APPENDIX-3. EQUIPMENT COST	
LA UNION PORT DEVELOPMENT PROJ	IECT

2B02 and 2C02 Pontoon 100t per day

witcon 100t per day Work Item	Unit	Quantity			the second se	LC: US\$					US\$=¥12
Work Item	Unit	Quantity			Basi	. Duine				- "	
		1 F				c Price			Unit	Cost	Total
	1		Mate	erial	Lai	oour	Equip	oment	Amo	ount	in
	1		FC	LC	FC	LC	FC	LC	FC	LC	YEN
Iterial											
el & Lubricant	ir.	0.00	0	1.04					0	0	
hers	L.S.	1	0	0.00					. 0	0	
b Total					-				0	0	
bour											
bour	man.day	2			0	14.30			. 0	29	3,4
hers	L.S.	1			0	0.00			0	0	
b Total									. 0	29	3,4
uipment											
ntoon 100t	dav	1				· · ·	4200	0	4,200	· 0	4,2
b Total									4,200	0	4,2
tal						· ·			4.200	29	7,6
eht bbht urt	al & Lubricant lers • Total • Total • Total • Total • Total	I & Lubricant Ir. Iers L.S. Total our man.day iers L.S. Total ifoment itoon 100t day	il & Lubricant Ir. 0.00 Iers L.S. 1 Total our man.day 2 iers L.S. 1 b Total iforment itoon 100t day 1 b Total	il & Lubricant ir. 0.00 0 iers L.S. 1 0 our man.day 2 iers L.S. 1 our man.day 2 iers L.S. 1 iforment itoon 100t day 1 o Total	il & Lubricant Ir. 0.00 0 1.04 iers L.S. 1 0 0.00 Total our man.day 2 iers L.S. 1 o Total iforment itoon 100t day 1 o Total	I & Lubricant     Ir.     0.00     0     1.04       lers     L.S.     1     0     0.00       our     man.day     2     0       our     man.day     2     0       iers     L.S.     1     0       o Total     1     0     0	I & Lubricant     Ir.     0.00     0     1.04       lers     L.S.     1     0     0.00       our     man.day     2     0     14.30       our     man.day     2     0     0.00       otrotal     L.S.     1     0     0.00	I & Lubricant       Ir.       0.00       0       1.04         Iers       L.S.       1       0       0.00         our       man.day       2       0       14.30         our       man.day       2       0       14.30         orotal       L.S.       1       0       0.00         otrotal       L.S.       1       0       0.00         otrotal       L.S.       1       0       0.00         ippment       day       1       4200       4200	I & Lubricant       Ir.       0.00       0       1.04         iers       L.S.       1       0       0.00         our       man.day       2       0       14.30         our       man.day       2       0       14.30         orotal       L.S.       1       0       0.00         our       man.day       2       0       14.30         o Total       L.S.       1       0       0.00         otron 100t       day       1       4200       0	I & Lubricant       Ir.       0.00       0       1.04       0       0         iers       L.S.       1       0       0.00       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	It & Lubricant       Ir.       0.00       0       1.04       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0

FC: YEN

2B02-2 2C02-2

LA UNION PORT DEVELOPMENT PROJECT

2B02 and 2C02 Crowler proce 16t FC: YEN

	Crawler crane 16t per c	lav		i e			LC: US\$		 			US\$=¥120	
No	Work Item		Quantity	······································		Ba	sic Price			Unit	Cost	Total	
				Mate	erial	La	abour	Equip	ment	Amo	ount	in 🛔	
				FC	LC	FC	LC	FC	LC	FC	LC	YEN	
1	Material									· · · ·			
	Fuel & Lubricant	ir.	80.00	0	0.33					0	26	3,168	
	Others	L.S.	1	0	0.00					이	0	0	
	Sub Total	ļ								. 0	26	3,168	
										· ·			
2	Labour												
	Operator	man.day	1			. 0	33.00		· ·	0	33	3,960	
	Others	L.S.	1 1		·	0	0.00			o	0	C	
	Sub Total									: o	33	3,960	
3	Equipment										- ·		
	Crawler crane 16t	day						8640	· · · · · o	8,640	0	8,640	
		auy					1994 - C.			8,640	o	8,640	
	Sub Total	1									-		
	<b>7</b> - 4 - 1									8,640	59	15,768	
	Total		[ [							0,040		10,100	
		1							<u> </u>	1			

Fuel & Lubricant: 96PS x 0.2 x 4 x 1.05

2B02-3 2C02-3

	APPENDIX-3. EQUIPI	MENT COS	ят										
	LA UNION PORT DEVI	ELOPMEN	T PROJECT				UNIT			1.			
	2B03 and 2C03	·					FC: YEN						
	Tug boat 450PS per	day			·		LC: US\$	· · ·		·		US\$=¥120	
No '	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total	
		· .		Mate	erial	La	bor	· · · · · · · · · · · · · · · · · · ·	ment		ount	in	
1 A A				FC	LC	FC	LC	FC	LC	FC	LC	YEN	
- 1	Material												
1. j.	Fuel & Lubricant	lr	378	0	0.33					0	125	14,969	
	Others	L.S.	1	· 0	5			a tan		0	5	600	
	Sub Total									D - D	130	15,569	
				1					N				
2	Labor												
	High Class Crew	manday	0			45000	- 0			0	0	0	
	Middle Class Crew	manday	. 1			0	100			. 0	100		
	Low Class Crew	manday	2		. 1	٥	33			· · 0	66	7,920	
	Sub Total				· · · · · · · · · · · · · · · · · · ·					- 0	166	19,920	÷
3	Equipment				1 A A								
	Tug boat 450PS	dayunit 👘	1		· · · ]			19,320	́ О	19,320	0	19,320	
	Sub Total					· · · · ·				19,320	0	19,320	
	Total									19,320	296	54,809	
			í										

2B03-1 2C03-1

Fuel & Lubricant: 450PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

## 2B03 and 2C03

Pontoon 500t per day

FC:	YEN
LC:	US\$

UNIT

1.1	US\$=¥120
-----	-----------

	Pontoon SUUL per day	Y					<u>LV. US</u> #					21+-QUU
No	Work Item	Unit	Quantity			Unit	Cost			Cost pe	er day	Total
				Mat	erial	Lai	or	Equir	oment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	T										
	Fuel & Lubricant	lr	0	· 0	0					0	0	
	Others	L.S.	1	0	0				l	0	0	
	Sub Total							-		- 0	0	
						4						
2	Labor						· .					
	High Class Crew	manday	0			45000	0			0	0	
	Middle Class Crew	manday	0			12000	0			0	0	
	Low Class Crew	manday	2			. 0	33			0	66	7,9
	Sub Total									0	66	7,9
3	Equipment							· .				
	Pontoon 500t	dayunit	1					14,400	0	14,400	. 0	14,4
	Sub Total		1 .			· ·				14,400	0	14.4
				· .					· · ·			
	Totel					5				14,400	66	22,32
	1	1	1					A	1	And the second		

APPENDIX-3.	EQUIPMENT COST	•
		_

LA UNION PORT DEVELOPMENT PROJECT

2B03 and 2C03 Backhoe 1.2m3 per day

UNIT FC: YEN

	EDGO dilla 2000												
<u>.</u>	Backhoe 1.2m3 per	day						US\$=¥120					
No	Work Item	Unit	Quantity	Unit Cost							Cost per day		
			Ι Γ	Material		Labor		Equip	oment	Amo	ount	] in	
- 1.				_ FC	LC	FC	LC	FC	LC	FC -	LC	YEN	
- 1	Material	1											
	Fuel & Lubricant	1r	538	0	0.33				]	0 D	178	21,305	
	Others	L.S.	1	0	2					0	2	240	
	Sub Total					н н	,			0	180	21,545	
								1	ļ				
2	Labor	1							1				
-	High Class Operator	manday	0			0	0	1 . · ·	ļ	0	0	0	
	Middle Class Operator	manday	1			. 0	33			0	33	3,960	
	Low Class Operator	manday	0			0	0	ļ .		0	0	0	
	Sub Total							ĺ		0	33	3,960	
	<b>]</b>												
3	Equipment												
	Backhoe 1.2m3	dayunit	1				l	15,240	0	15,240	0	15,240	
	Sub Total									15,240	0	15,240	
	1 ·		[										
	Total									15,240	213	40,745	
	1							·	1				

2803-3 2C03-3

Fuel & Lubricant: 224PS x 0.2 x 8 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B03 and 2C03 Working boat 100PS per day FC: YEN

UNIT

	Working boat 100	PS per	day				LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Cost per day		Total				
		i i	I . L	Mate	Material		Labor		Equipment		Amount	
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir	168	0	0.33					0	55	6653
	Others	L.S.	1	0	5	]		1. N. 1		0	. 5	600
	Sub Total									0	60	7,253
2	Labor											
	High Class Crew	manday	0			45000	0			0	. 0	C
	Middle Class Crew	manday	0			12000	. 0			0	0	C
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	66	7,920
. 3	Equipment	Í.										
•	Tug boat 450PS	dayunit	1					3,480	0	3,480	· 0	3,480
	Sub Total								:	3,480		3,480
	Total									3,480	126	18,653

Fuel & Lubricant: 100PS x 0.2 x 8 x 1.05

	APPENDIX-3.	EQUIPMENT	COST
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LA UNION PORT DEVELOPMENT PROJECT 280401

UNIT FC: YEN

Floating Dock 6000t per	day	
Work Item	Unit	1

	4 - C - C - C - C - C - C - C - C - C -										
er	day					LC: US\$		· · · · · · · · · · · · · · · · · · ·			US4=¥120
	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
			Ma	terial	Li	abor	Equip	nent	Am	ount	in
	1 	н	FC	LC	FC	LC	FC	LC	FC	LC	YEN
7											
ł	lr -	315	0	0.330		· .			0	104	12,474
	LS.	1	0	6.00					0	. 6	720
ļ									0	110	13,194
	man.day	2			45000	0.00			90000	. 0	90,000
- 1	man.day				12000	0.00			24000	9	24,000
- 1	man.day				0	33.00			. 0	66	7,920
									114000	]	121,920
				20 C	:			: 			
					· ·						
	day	· 1				· · · · ·	367800	. 0	367,800	0	367,800
1	Jay	· '(				• •	00,000	, v	367,800		367,800
							·	· .	307,800	, v	307,800
							· · ·		481,800	176	502,914
ł				I				l		1101	JUL, 314

Fuel & Lubricant: 250PS x 0.2 x 6 x 1.05

No

1 Material

Others

2 Labor

Sub Total

Fuel & Labricant

High class crew

Low class crew

Sub Total

3 Equipment

Sub Total

Total

Middle class crew

Floating dock 6000t

LA UNION PORT DEVELOPMENT PROJECT

280401 Pontoon 1000t per da

438

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

US4=¥120

	Pontoon 1000t per da	зу					LC: US\$					US4=¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit (	Cost	Total
Į				M	aterial	Ĺ	abor	Equip	ment	Amo	unt	in -
				FC_	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Labricant	lr -	0	0	0.330				1	0	0	0
	Others	1.S.	1	- C	6.00		· .			0	- 6	720
	Sub Total									. 0	6	720
2	Labor							н 				
	High class crew	man.day	0			45000	0.00			· 0	0	0
	Middle class crew	man.day	· 0			12000	0.00	an a		0	o i	0
	Low class crew	men.day	2			· · 0	33.00			0	66	7,920
	Sub Total									- 0	66	7,920
3	Equipment Floating dock 6000t	day						25080		25,080		25,080
	Sub Total	Gay		· · ·						25,080	0	25,080
		1						÷				
	Total	· · · ·							<u> </u>	25,080	72	33,720

2B0401-2

APPENDIX-3. EQ	UIPMENT COST	Γ .
LA UNION PORT I	DEVELOPMENT	PROJECT

2B0402 and 2C0402 Generator 45KVA

UNIT FC: YEN

	2B0402 and 2C0402				1.12		FC: YEN					
	Generator 45KVA per	day					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Basic	: Price			Unit	Cost	Total
			I. [	Mate	erial	La	bor	Equip	ment	Amo	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material										_	
· .	Fuel & Lubricant	l <del>r</del>	56	D	0.330				1. A.	0	18	2,218
	Others	L.S.	1	0	2					0	2	240
	Sub Total	1								0	20	2,458
					1			Ì				·
2	Labor					· .						
	Operator	man.day	1 1			0	33	<b>;</b> .		0	33	3,960
	Others	L.S.	t			. 0	0			0	0	0
	Sub Total									0	33	3,960
						•						
3	Equipment				· 1							
	Generator 45KVA	day	1					960	0	960	0	960
	Sub Total		1 1			÷		j .		960	. 0	960
·												
	Total						· ·			960	53	7,378

Fuel & Lubricant: 56PS x 0.2 x 6 x 1.05 x 0.8

2B0402-1 2C0402-1

LA UNION PORT DEVELOPMENT PROJECT

2B0402 and 2C0402 Truck crane 30t per day UNIT FC: YEN LC: US\$

US\$=¥120

	Truck crane 30t per day	·					LU: US\$					Q
No	Work Item	Unit	Quantity			Bas	ic Price			Unit C	Cost	Total
				Mat	erial	La	abor	Equipment		Amount		] in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material					•.						
	Fuel & Lubricant	lr ·	192	0	0.330					0	63	7,60
	Others	L.S.	1	0	2			ŗ		. 0	2	- 24
	Sub Total									0	65	7.8
	$(1,1,2,\dots,2^{n-1}) \in \mathbb{R}^{n-1} \times \mathbb{R}^{n-1$									· ·		
2	Labor											
	Operator	man.day	1			C	33		· ·	0	33	. 3,9
	Others	L.S.	1			C	0			0	. 0	
	Sub Total									0	33	3,9
		1						( ·		[ · [		
3	Equipment											
	Truck crane 30t	day	1				i.	16200	0	16,200	0	16,2
	Sub Total					· · ·			c .	16,200	0	16, <b>2</b>
	Total									16.200	98	28,0

Fuel & Lubricant: 286PS x 0.11 x 2 x 1.05

440

150PS x 0.2 x 4 x 1.05

2B0402-2 2C0402-2

LA UNION PORT DEVELOPMENT PROJECT

2B0402 and 2C0402

UNIT FC: YEN

Truck 8t with crane /day	, ·					LC: US\$		i.		<b>-</b>	US\$=¥120
الا المراجع المراجع المراجع الفاصل المراجع بي المحمد التي يتي المراجع المراجع المراجع المراجع المراجع المراجع ا	-	Quantity	······		Basic	Price			Unit	Cost	Tota!
	1		Mate	erial	La	bor	Equip	oment	Am	ount	in 👘
			FC	LC	FĈ	LC	FC	LC	FC	LC	YEN
Material							· .				
Fuel & Lubricant	1r	124	0	0.330			1		. 0	- 41	4,910
Others	L.S.	1	0	0		· · ·			0	0	· 0
Sub Total									0	41	4,910
		·					Į .				1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
_abor									-		
	man.day	1			0	.33	and the second second	• •	0	33	3,960
	LS.	1			0	0		· ·	D	0	0
									. 0	33	3,960
	1						· ·				
Equipment											
	dav	1 1					5520	. 0	5,520	· 0	5,520
							1. A.	-1. S	5,520	0	5,520
[ata]						· · · ·	<b>)</b>	Į	5.520	74	14,390
iviai	1		1								.,
	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others Sub Total Equipment	Work ItemUnitMaterialIrFuel & LubricantIrDthersL.S.Sub Totalman.dayDeratorman.dayDthersL.S.Sub TotalSub TotalEquipmentFruck 8t with craneSub Totalday	Work ItemUnitQuantityMaterialIr124Fuel & LubricantIr124OthersL.S.1Sub TotalInters1Depratorman,day1OthersL.S.1Sub TotalInters1EquipmentInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1Sub TotalInters1	Work Item     Unit     Quantity       Material     Ir     124       Feel & Lubricant     Ir     124       Others     L.S.     1       Sub Total     man.day     1       Sub Total     L.S.     1       Sub Total     man.day     1       Equipment     L.S.     1       Sub Total     Japan     1	Work Item     Unit     Quantity       Material     FC     LC       Material     Ir     124     0     0.330       Others     L.S.     1     0     0       Sub Total     man,day     1     0     0       Sub Total     L.S.     1     0     0       Sub Total     day     1     0     0       Equipment     Gay     1     0     0	Work ItemUnitQuantityBasicMaterialLaFCLCFCLCFCLCFCLCFCLSSub TotalIman.dayLS1Operatorman.dayOthersLSSub TotalIman.dayEquipmentIman.dayFruck 8t with cranedaySub TotalIman.daySub TotalIman.dayFruck 8t with cranedaySub TotalIman.daySub TotalIman.dayFruck 8t with cranefaySub TotalIman.daySub TotalIman.dayFruck 8t with cranefaySub TotalIman.dayFruck 8t with cranefayFruck 8t with cranefay <tr< td=""><td>Work ItemUnitQuantityBasic PriceMaterialLaborFCLCFCLCMaterialIr12400.330OthersL.S.100Sub TotaiInstructionInstruction033Deperatorman.day1033OthersL.S.100Sub TotaiInstruction1033ChersL.S.100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100</td><td>Work ItemUnit.QuantityBasic PriceMaterialLaborEquipFCLCFCLCFCLCFCMaterialIr124CharlersL.S.1Sub TotalInstructionInstructionL.S.InstructionInstructionCoperatorInstructionCoperatorInstructionCoperatorInstructionCoperatorInstructionSub TotalInstructionEquipmentInstructionFruck 8t with craneInstructionSub TotalInstructionSub Total&lt;</td><td>Work Item     Unit     Quantity     Basic Price       Material     Labor     Equipment       FC     LC     FC     LC       Material     FC     LC     FC     LC       Material     Ir     124     0     0.330       Others     L.S.     1     0     0       Sub Total     Ir     124     0     0.330       Derator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     Instruction     1     0     33       Chers     L.S.     1     0     0       Sub Total     Instruction     0     33     0       Sub Total     Instruction     0     0     0       Sub Total     Instruction     0     0     0</td><td>Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmericalFCLCFCLCFCMaterialLaborEquipmentFuel &amp; LubricantIr12400.330OthersL.S.100Sub TotalInterview0330LaborL.S.10033Coperatorman.day10330OthersL.S.1000Sub Total00000EquipmentHay1055200Sub Total00000Sub Total0000Sub Total0000Sub Total0000Sub Total0000</td><td>Work ItemUnitQuantityBasic PriceUnit CostMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr12400.330041Sub TotalI.S.10033041Laborman.day10033033Deperatorman.day10033033DiffersL.S.10033033DiffersL.S.10033033DiffersL.S.10033033DiffersL.S.100000Sub TotalSub Total10552005.5200Sub Total10000000</td></tr<>	Work ItemUnitQuantityBasic PriceMaterialLaborFCLCFCLCMaterialIr12400.330OthersL.S.100Sub TotaiInstructionInstruction033Deperatorman.day1033OthersL.S.100Sub TotaiInstruction1033ChersL.S.100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100Sub TotaiInstruction100	Work ItemUnit.QuantityBasic PriceMaterialLaborEquipFCLCFCLCFCLCFCMaterialIr124CharlersL.S.1Sub TotalInstructionInstructionL.S.InstructionInstructionCoperatorInstructionCoperatorInstructionCoperatorInstructionCoperatorInstructionSub TotalInstructionEquipmentInstructionFruck 8t with craneInstructionSub TotalInstructionSub Total<	Work Item     Unit     Quantity     Basic Price       Material     Labor     Equipment       FC     LC     FC     LC       Material     FC     LC     FC     LC       Material     Ir     124     0     0.330       Others     L.S.     1     0     0       Sub Total     Ir     124     0     0.330       Derator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     Instruction     1     0     33       Chers     L.S.     1     0     0       Sub Total     Instruction     0     33     0       Sub Total     Instruction     0     0     0       Sub Total     Instruction     0     0     0	Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmericalFCLCFCLCFCMaterialLaborEquipmentFuel & LubricantIr12400.330OthersL.S.100Sub TotalInterview0330LaborL.S.10033Coperatorman.day10330OthersL.S.1000Sub Total00000EquipmentHay1055200Sub Total00000Sub Total0000Sub Total0000Sub Total0000Sub Total0000	Work ItemUnitQuantityBasic PriceUnit CostMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr12400.330041Sub TotalI.S.10033041Laborman.day10033033Deperatorman.day10033033DiffersL.S.10033033DiffersL.S.10033033DiffersL.S.10033033DiffersL.S.100000Sub TotalSub Total10552005.5200Sub Total10000000

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

LA UNION PORT DEVELOPMENT PROJECT

#### UNIT FC: YEN

2B0402 and 2C0402 Pontoon 500t per day

LC: US\$ US\$=¥120 Unit Cost **Basic Price** Total No Work Item Unit Quantity Amount in Labor Equipment Material FC YEN FC LC FC LC FC LO LC 1 Material 0.330 ٥ D 0 Fuel & Lubricant 0 lr -0 0 0 0 L.S. Others D n 0 0 0 Sub Total 2 Labor 7.920 66 33 0 0 Low class crew man.day 2 0 0 0 0 L.S. 0 Others 1 66 0 7,920 Sub Total 3 Equipment 14400 0 14,400 0 14,400 Pontoon 500t day 14,400 0 14,400 Sub Total 22,320 66 14,400 Total

> 2B0402-4 2C0402-4

LA UNION PORT DEVELOPMENT PROJECT

2B0402 and 2C0402

UNIT FC: YEN

	Tug boat 250PS per d	ay					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Basic	Price			Unit	Cost	Total
.			[	Mate	erial	La	bor	Equip	ment	Amo	ount	in -
			[[	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr .	210	0	0.330				•	. 0	69	8,316
ł	Others	L.S.	1	0	1			{ ;		0	1	120
	Sub Total					·. ·				0	70	8,436
2	Labor											
	Middle class crew	man.day	1			12000	0			12000	0	12,000
	Low class crew	man.day	2		·	0	33			0	66	7,920
	Sub Total									12000	66	19,920
3	Equipment											
	Tug boat 250PS	day	1 t	1				11760	. 0	11,760	0	11,760
	Sub Total						,			11,760	0	11,760
	Total					·.				23,760	136	40,116

2B0402-5 2C0402-5

Fuel & Lubricant: 250PS x 0.2 x 4H x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B0403 and 2C0403 Generator 100KVA per day FC: YEN

UNIT

US\$=¥120

Generator IUUNVA per	′αay	1				LU: US\$					<u>US</u> §=≢120
Work Item	Unit	Quantity			Basic	Price			Unit	Cost	Total
· .			Mat	erial	La	bor	Equip	ment	Amo	ount	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
Material		T						1			
Fuel & Lubricant	ir.	134	0	0.330					0	44	5,306
Others	L.S.	1	0	t					0	ť	120
Sub Total									0	45	5,426
Labor	1										
Operator	man.day	1			0	. 33			D	33	3,960
Others	L.S.	1			0	: O			0	0	· · C
Sub Total					) • •				C	33	3,960
Equipment											
	day	1					1800	. 0	1,800	0	1,800
Sub Total				·					1,800	0	1,800
Total									1,800	78	11,186
	Work Item Material Fuel & Lubricant Others Sub Total Labor Operator Others Sub Total Equipment Generator 100KVA Sub Total	Material Fuel & Lubricant Ir Others L.S. Sub Total Labor Operator man.day Others L.S. Sub Total Equipment Generator 100KVA day Sub Total	Work ItemUnitQuantityMaterialIr134Fuel & LubricantIr134OthersL.S.1Sub TotalInters1LaborIntersIntersOperatorInters1OthersL.S.1Sub TotalIntersIntersSub TotalIntersIntersEquipmentIntersIntersGenerator 100KVAIntersIntersSub TotalIntersIntersSub Total	Work Item     Unit     Quantity       Material     FC       Material     ir     134       Fuel & Lubricant     ir     134       Others     L.S.     1       Sub Total     Init     0       Labor     man.day     1       Operator     man.day     1       Others     L.S.     1       Sub Total     Init     1       Equipment     day     1       Sub Total     Init     1	Work Item     Unit     Quantity       Material     FC     LC       Material     FC     LC       Material     Ir     134     0     0.330       Others     L.S.     1     0     1       Sub Total     Ir     134     0     0.330       Others     L.S.     1     0     1       Sub Total     Ir     134     0     0.330       Others     L.S.     1     0     1       Sub Total     Instant     Instant     Instant       Equipment     Generator 100KVA     day     1       Sub Total     Instant     Instant     Instant	Work ItemUnitQuantityBasicMaterialLaFuel & LubricantirFuel & LubricantirOthersL.S.Sub TotalILaborIman.dayOperatorman.dayOthersL.S.Sub TotalIman.dayEquipmentGenerator 100KVASub TotalIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.dayIman.day <t< td=""><td>Work ItemUnitQuantityBasic PriceMaterialLaborFCLCFCLCMaterialIr13400.330OthersL.S.101Sub TotalInstructionInstruction033ChersL.S.101Sub TotalInstructionInstruction033ChersL.S.10033OthersL.S.1000Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstruc</td><td>Work ItemUnitQuantityBasic PriceMaterialLaborEquipFor LCFCLCMaterialIr134Fuel &amp; LubricantIr134OthersL.S.1Sub TotalInterventionLaborInterventionOperatorInterventionOperatorInterventionSub TotalInterventionEquipmentInterventionGenerator 100KVAInterventionSub TotalInterventionSub TotalInterventionSub TotalInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionIntervention<tr< td=""><td>Work ItemUnitQuantityBasic PriceMaterialLaborEquipmentFuel &amp; Lubricantir13400.330ICFCLCOthersL.S.101ICICFCLCSub TotalISS101ISSISSISSISSISSCoperatorman.day1033ISSISSISSISSISSISSSub TotalISS10033ISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISS&lt;</td><td>Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmcFCLCFCLCFCLCMaterialIr13400.3300OthersLS.1010Sub TotalImage: Sub TotalImage: Sub Total0330EquipmentGenerator 100KVAday10330Sub TotalImage: Sub TotalImage: Sub Total180001.800</td><td>Work ItemUnitQuantityBasic PriceUnit CostMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialir13400.330044OthersLS.10100Sub TotalIntersInters10330ChersLS.101033ChersLS.10330Sub TotalIntersInters1033ChersLS.10033Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersIntersInters10Sub TotalIntersIntersInters10Sub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersInter</td></tr<></td></t<>	Work ItemUnitQuantityBasic PriceMaterialLaborFCLCFCLCMaterialIr13400.330OthersL.S.101Sub TotalInstructionInstruction033ChersL.S.101Sub TotalInstructionInstruction033ChersL.S.10033OthersL.S.1000Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstruction00Sub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionSub TotalInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstructionInstruc	Work ItemUnitQuantityBasic PriceMaterialLaborEquipFor LCFCLCMaterialIr134Fuel & LubricantIr134OthersL.S.1Sub TotalInterventionLaborInterventionOperatorInterventionOperatorInterventionSub TotalInterventionEquipmentInterventionGenerator 100KVAInterventionSub TotalInterventionSub TotalInterventionSub TotalInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionInterventionIntervention <tr< td=""><td>Work ItemUnitQuantityBasic PriceMaterialLaborEquipmentFuel &amp; Lubricantir13400.330ICFCLCOthersL.S.101ICICFCLCSub TotalISS101ISSISSISSISSISSCoperatorman.day1033ISSISSISSISSISSISSSub TotalISS10033ISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISS&lt;</td><td>Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmcFCLCFCLCFCLCMaterialIr13400.3300OthersLS.1010Sub TotalImage: Sub TotalImage: Sub Total0330EquipmentGenerator 100KVAday10330Sub TotalImage: Sub TotalImage: Sub Total180001.800</td><td>Work ItemUnitQuantityBasic PriceUnit CostMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialir13400.330044OthersLS.10100Sub TotalIntersInters10330ChersLS.101033ChersLS.10330Sub TotalIntersInters1033ChersLS.10033Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersIntersInters10Sub TotalIntersIntersInters10Sub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersInter</td></tr<>	Work ItemUnitQuantityBasic PriceMaterialLaborEquipmentFuel & Lubricantir13400.330ICFCLCOthersL.S.101ICICFCLCSub TotalISS101ISSISSISSISSISSCoperatorman.day1033ISSISSISSISSISSISSSub TotalISS10033ISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISSISS<	Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmcFCLCFCLCFCLCMaterialIr13400.3300OthersLS.1010Sub TotalImage: Sub TotalImage: Sub Total0330EquipmentGenerator 100KVAday10330Sub TotalImage: Sub TotalImage: Sub Total180001.800	Work ItemUnitQuantityBasic PriceUnit CostMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialir13400.330044OthersLS.10100Sub TotalIntersInters10330ChersLS.101033ChersLS.10330Sub TotalIntersInters1033ChersLS.10033Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersInters100Sub TotalIntersIntersInters10Sub TotalIntersIntersInters10Sub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersIntersIntersIntersSub TotalIntersIntersInter

Fuel & Lubricant 125PS x 0.2 x 6 x 1.05 x 0.85

444

2B0403-1 2C0403-1

	LA UNION PORT DEVELO 2B0403 and 2C0403 Truck crane 16t per day	OPMENT	PROJECT				UNIT FC: YEN LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Basic	Price			Unit	Cost	Total
				Mat	erial	La	bor	Equip	oment	Am	ount	in 🗋
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	hr	95	0	0.330					0	31	3.762
- 	Others	L.S.	1	0	0			14. 1		c o	0	o
	Sub Total	1				14 - C				0	31	3,762
												-
2	Labor	ļ										
. :	Operator	man.day	1			. 0	33			0	33	3,960
	Others	LS.	1			0	0			0	0	D
	Sub Total									0	- 33	3,960
									j			
. 3	Equipment	1	1									
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
		{										
	Total									9,480	64	17,202
	<u> </u>	<u> </u>								Lł		

Fuel & Lubricant 230PS x 0.11 x 2 x 1.05 100PS x 0.2 x 2 x 1.05

APPENDIX-3. EQUIPMENT COST

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LA UNION PORT DEVELOPMENT PROJECT 2B0403 and 2C0403

# UNIT FC: YEN

Trail	er	28t	per	day

	200403 810 200403											
	Trailer 28t per day						LC: US\$			· · · · · · · ·		US\$=¥120
No		Unit	Quantity			Basic	Price			Unit	Cost	Total
				Mat	erial	La	bor	Equip	oment	Ame	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	<u> </u>										
	Fuel & Lubricant	lr	148	0	0,330			_		0	49	5,861
	Others	L.S.	1	0	Ď		-			0	0	0
	Sub Total								· ·	· 0	49	5,861
2	Labor											
	Operator	man.day	1	2		- o	33			0	33	3,960
	Others	L.S.	1			0	· 0			0	· 0	
	Sub Total							and the second		0	33	3,960
1			1 1					i ·			·	
3	Equipment						a di sa					
	Trailer 28t	day	¹¹ 1				-	8760	. O	8,760	. 0	8,760
	Sub Total				. •					8,760	0	8,760
			· ]					· · · · .				
	Total		· ·					· · · ·		8,760	82	18,581
		i su s									4 I.	

2B0403-3 2C0403-3

Fuel & Lubricant 320PS x 0.11 x 4 x 1.05

· · · ·	2B0403 and 2C0403 Pontoon 500t per day						FC: YEN LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Basic	Price			Unit C	lost	Total
				Mat			oor		oment	Amoi		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
- 1	Material				1	1		· .			5	
	Fuel & Lubricant	lr'	0	0	0,319	· ·				0	0	0
•	Others	L.S.	1	0	0			}		0	0	0
÷	Sub Total	İ	1.7	· ·						0	0	0
		1			-			-				Į
2	Labor				]			]				
	Middle class crew	man.day	· 0			100	0			0	0	- 0
	Low class crew	man.day	2			0	33			0	66	7,920
	Sub Total				- N.	· · · ·				, O	66	7,920
2		1.						)				
3	Equipment											1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
	Pontoon 500t	day	· · 1					14400	0	14,400	0	14,400
	Sub Total	J	ļ ļ				• .	J		14,400	0	14,400
							-					
	Total	1					ta a se			14,400	66	22,320

2B0403-4 2C0403-4

LA UNION PORT DEVELOPMENT PROJECT

Unit

lr |

LS.

Quantity

210

1

2B0403 and 2C0403 Tug boat 250PS per day

No

1 Material

Others

Fuel & Lubricant

Work Item

UNIT FC: YEN LC: US\$

...

FC

		Basic	Price			Unit C	ost	
Mate	rial	La	bor	Equip	oment	Amou	nt	
2	LC	FC	LC	FC	LC	FC	LC	_
o	0.330					0	69	
o	1					0	. 1	
						0	70	

US\$=¥120

8,316

120

Total

in

YEN

Sub Total								. 0	70	8,436
 Labor Middle class crew	man.day	. 1		12000	ń			12000	ß	12,000
Low class crew	man.day			0	33			0	66	7,920
Sub Total								12000	66	19,920
	day	1				11760	. 0	• • •		11,760
 Sub Total							· · ·	11,760		11,760
Total								23,760	136	40,116

Fuel & Lubricant 250PS x 0.2 x 4H x 1.05

	APPENDIX-3. EQUIPMEN			4						1		
1	LA UNION PORT DEVELO	PMENT	PROJECT				UNIT				· · · · · ·	
	2B0404 and 2C0404						FC: YEN					
. ·	Concrete pump 45m3/h	per day				÷.,	LC: US\$			1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		US\$=¥120
No	Work Item	Unit	Quantity	······································		Basic	Price			Unit (	Cost	Total
				Mate	erial		bor	Equip	ment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1										
· · .	Fuel & Lubricant	lir .	0	0	0.330					0	0	0
	Others	L.S.	1	. 0	· · · 0			1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		0	0	0
	Sub Total				н			·		0	0	0
$\{ \cdot \}_{i \in \mathbb{N}}$							· ·					
2	Labor							• •				
	Operator	man.day	2			0	33	1		0	66	7,920
	Others	L.S.	1			· · · · 0	0		. *	0	0	0
	Sub Total									0	66	7,920
					14 A				н. 			
3	Equipment				<b>-</b>	· · ·						
· .	Concrete pump 45m3/h	day	1					9120	0	9,120	0	9,120
	Sub Total					· .		· · ·		9,120	0	9,120
1				· .					8 A.			
	Total							·		9,120	66	17,040
1						•••			·		·	

2B0404-1 2C0404-1

LA UNION PORT DEVELOPMENT PROJECT

# FC: YEN

2B0404 and 2C0404 Truck mixer 4<u>.5m3 per day</u>

LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity			Basic	Price			Unit	Cost	Total
				Mate	erial	Lal	por	Equir	oment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material		· · · ·									
	Fuel & Lubricant	lr i	161	0	0.330					0	- 53	6.376
	Others	L.S.	. 1	. 0	0					· 0	0	0
	Sub Total									<b>0</b>	53	6,376
			н. С									
2	Labor	·										
	Operator	man.day	1			0	33			0	- 33	3,960
	Others	L.S.	· 1			0	0			0	0	. 0
	Sub Total					1				0	33	3,960
	Equipment								· .			
	Truck mixer 4.5m3	day	1					5280	· 0			5,280
	Sub Total									5,280	. 0	5,280
		1 1			· · · ·				( ·			
	Total									5,280	86	15,616
						• •			<u> </u>		· · · ·	

2B0404-2 2C0404-2

Fuel & Lubricant 290PS x 0.11 x 6 x 1.05 x 0.8

APPENDIX-3.	EQUIPMENT	COST

LA UNION PORT DEVELOPMENT PROJECT

UNIT FC: YEN

2B0404 and 2C0404

451

	Truck crane 16t per day						LC: US\$	·				US\$=¥120
No	Work Item	Unit	Quantity			Basic	Price			Unit (	Cost	Total
· ·			1 E	Mat	erial	La	bor	Equip	ment	Amo	unt	in
1 <u> </u>				FC	LC	FC	LC	FC	LC	FC	LC	YEN
. 1	Material											
2	Fuel & Lubricant	lr .		0	0.330					0	31	3,762
	Others	L.S.	T I	0	0				· · .	0	0	0
	Sub Total	l .								0	31	3,762
												-
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	LS.	1			- <b>O</b>	· 0			0	. 0	0
	Sub Total		1 1			•		· · .		0	33	3,960
	and the second	· .								*		
3	Equipment								-			
1 ×	Truck crane 16t	day 👘	1					9480	0	9,480	- 0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	64	17,202
		<u> </u>				······		· ·	-	<u> </u>		

Fuel & Lubricant 230PS x 0.11 x 2 x 1.05 100PS x 0.2 x 2 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B0404 and 2C0404 Generator 100KVA ner dav

1	is\$=	¥1	20	

	280404 and 200404						LC: US\$		· · · ·			UCA-VIO
	Generator 100KVA per o							o			. <u> </u>	US\$=¥12
•	Work Item	Unit	Quantity			Basic				Unit C		Total
1			1 L	Mate	erial	and the second se	oor		ment	Amou		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	Ir	134	. 0	0.330					0	44	5,3
- 10	Others	L.S.	1	0	0	.				0	0	
1	Sub Total	1								0	44	5,3
211	_abor											
	Operator	man.day	1			0	33			0	33	3,
	Others	L.S.	1		· · · ·	0	. 0		· · ·	0	0	
÷	Sub Total								2.	0	33	3,
316	Equipment											
•	Generator 100KVA	day	. 1		l l		· · ·	1800	0	1,800	0	1,
	Sub Total	,						· · ·		1,800	o	1,
ľ										.,		
1.	Fotal				Í			· · ·		1,800	77	11.
	otai									1,500		

2B0404-4 2C0404-4

UNIT

FC: YEN

Fuel & Lubricant 125PS x 0.2 x 6 x 1.05 x 0.85

	APPENDIX-3. EQUIPME LA UNION PORT DEVEL 2B05 and 2C05 Floating Dock 6000t per	OPMEN		СТ		·	UNIT FC: YEN LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
			а - Р	Ma	terial	L	abor	Equip	ment	Am	ount	in .
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
2	Middle class crew	Ir L.S. man.day man.day man.day		0	0.330 6.00	45000 12000 0	0.00 0.00 33.00	· · · ·		0 0 90000 24000 0 114000	0 66	720 13,194 90,000 24,000 7,920
	Equipment Floating dock 6000t Sub Tota! Total	day	1					367800	0	367,800 367,800 <b>481,800</b>	C	367,800 367,800 502,914

Fuel & Lubricant: 250PS x 0.2 x 6 x 1.05

453

2B05-1 2C05-1

# LA UNION PORT DEVELOPMENT PROJECT

2B05 and 2C05 Tu

UNIT FC: YEN LC: US\$

US\$=¥120

ug	boat	250PS	per	day	

No	Work Item		Quantity	······································		Bas	ic Price			Unit	Cost	Total
				Ma	terial	L.	abor	Equip	ment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material						_					
	Fuel & Labricant	Ir	210	0	0.330					0	69	8,316
	Others	L.S.	1	0	1					0	1	120
	Sub Total					· ·				0	70	8,436
2	Labor											
	Middle class crew	man.day	1			12000	0.00			12000	· 0	12,000
	Low class crew	man.day	2			0	33.00		· ·	0	66	7,920
	Others	L.S.	1			0	0.00			· 0	0	0
	Sub Total			ļ						12000	66	19,920
3	Equipment					5						
Ŭ	Tug boat 250PS	day	1					11760	0	11,760	0	11,760
	Sub Total									11,760		11,760
	Total							·	· · · ·	23,760	136	40,116

Fuel & Lubricent: 250PS x 0.2 x 4 x 1.05

2B05-2 2C05-2

	APPENDIX-3. EQUIPMI	ENT CO	ST .	11								
	LA UNION PORT DEVEL	OPMEN	T PROJEC	CT ·			UNIT					
	2B05 and 2C05					·	FC: YEN					
	Anchor boat 400PS pe	r day_					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit (	Cost	Total
$(1, \dots, n)$		ł		Ma	aterial	L	abor	Equip	ment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Labricant	ir	336	0	0.330					0	111	13,306
1.1	Others	L.S.	1	. 0	9					0	9	1,080
	Sub Total				·					0	120	14,386
		1										
. 2	Labor					÷ .						
	Middle class crew	man.day	2			12000	0.00			24000	o	24,000
	Low class crew	man.day	2			0	33.00			0	66	186
	Others	L.S.	1			. 0	0.00	·		. 0	0	. 0
	Sub Total									24000	66	24,186
		)							}			* . <b>.</b>
3	Equipment											-
	Anchor boat 400PS	day	1					91200	o	91,200	ol	91,200
	Sub Total									91,200	ol	91,200
	Total			•				· ·		115,200	186	129,772

Fuel & Lubricant: 400PS x 0.2 x 4 x 1.05

ADDCNDDV 0

COLUMNICAL OCOT

2B05-3 2C05-3

LA UNION PORT DEVELOPMENT PROJECT 2B05 and 2C05

### **UNIT** FC: YEN

,

Generator 100KVA per day

I 🔿.	USS

US\$=¥120

	Generator TUUKVA per	day					<u>LO. 000</u>		*			000 + (20
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost	Total
				Ma	aterial	Į	abor	Equip	ment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Labricant	Ir	134	0	0.330					0	44	5,306
•	Others	L.S.	1	0	1		·	-		0	. 1	120
	Sub Total									· 0	45	5,426
	) ahay			*		-	an a					
	Labor	man.day	· •				33			0	33	3,960
	Operator Others	L.S.	1			0	0			0	0	0
ŗ										· ·	33	3,960
	Sub Total											3,800
3	Equipment							· · ·				
	Generator 100KVA	day						1800	( o	1,800	0	1,800
	Sub Total							· · · ·		1,800	· · · 0	1,800
-										1 000	78	11,186
	Total	1			L		L		L	1,800	/8	11,100

2B05-4 2C05-4

Fuel & Lubricant: 125PS x 0.2 x 6 x 1.05 x 0.85

	APPENDIX-3. EQUIPME LA UNION PORT DEVEL 2806 and 2C06	OPMEN		CT .	· .		UNIT FC: YEN	н ^{ст} .	· .	•		US <b>\$=</b> ¥120
No	Pontoon 1000t per day Work Item		Quantity			Bas	LC: US\$			Unit	t Cost	033-#120 Total
				Ma	iterial		abor	Equip	ment		nount	in
		ļ	[ [	FC	LC	FC	LC	FC	LC	FC	LC	YEN
2	Material Fuel & Labricant Others Sub Total Labor Low class crew Others Sub Total	Ir L.S. man.day L.S.	0 1 2 1	0 0	0.330 0.00	0 0	33.00 0.00			0 0 0 0 0	0 0 0 66 0 66	7,920 7,920 7,920
	Equipment Pontoon 1000t Sub Total Total	day	- 1					25080	0	25,080 25,080 25,080	o	25,08 25,08 33,00

**\$**57

2806-1 2C06-1

LA UNION PORT DEVELOPMENT PROJECT

2B06 and 2C06 Tug boat 250PS per day UNIT FC: YEN

US\$=¥120

	Tug boat 250PS per	day					LO: 039					050=#120
No	Work Item		Quantity			Bas	ic Price			Unit	Cost	Total
				Mat	erial	L	abor	Equip	ment	Amo	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											1
	Fuel & Labricant	lr -	210	0	0.330					0	69	8,316
	Others	L.S.	1	o	1					0	1	120
	Sub Total		Ì							0	70	8,436
2	Labor							· ·				
:	Middle class crew	man.day	1		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	12000	0.00			12000	0	12,000
• •	Low class crew	man.day	2			0	33.00	ан. А		. 0	66	7,920
:	Sub Total						· .			12000	66	19,920
3	Equipment						-				All and a second	ļ
	Tug boat 250PS	day	1					11760	(	11,760	0	11,760
	Sub Total									11,760	0	11,760
	Total									23,760	136	40,116

Fuel & Lubricant: 250PS x 0.2 x 4 x 1.05

458

2806-2 2C06-2

	APPENDIX-3. EQUIPM				n en de de En e					· · · ·		
	LA UNION PORT DEVEL	OPMEN	II PROJE	CT			UNIT					
	2B06 and 2C06						FC: YEN					100.0400
	Anchor boat 400PS pe						LC: US\$			·		US\$=¥120
No	Work Item	Unit	Quantity				sic Price			Unit	Cost	Total
1.1.1				M	aterial	<u> </u>	_abor	Equip	ment	· <u>A</u> n	ount	. in
		1		FC	LC	FC	LC	FC	LO	FC	LC	YEN
1	Material Fuel & Labricant	  r	336		0.330					. 0		13,306
	Others Sub Total	L.S.			9 9	· .				0	9 120	1,080 14,386
2	Labor											14,000
	Middle class crew	man.day	2			12000	0.00			24000	° o	24,000
•	Low class crew	man.day	2		· · .	0	33.00			. 0	66	7,920
	Sub Total									24000	66	31,920
3	Equipment			· .					1			
	Anchor boat 400PS	day	1 . 1					91200	0	91,200	0	91,200
	Sub Total									91,200	1	91,200
	Total			L	<u> </u>	<u> </u>	<u> </u>		<u> </u>	115,200	186	137,506

Fuel & Lubricant: 400PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2806 and 2C06

FC: YEN LC: US\$

UNIT

	Generator 100KVA per	dav	. •			· · ·	LC: US\$					US <b>\$=</b> ¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
		1			terial		abor	Equip	ment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Labricant	lr	134	· · · 0	0.330					• 0	44	5,306
	Others	L.S.	1	0	1					0	1	120
·	Sub Total							)		0	45	5,426
					•		n at line	ł	-			
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	L.S.	1			0	0			0	0	0
	Sub Total									. 0	33	3,960
		<b>.</b> .										
3	Equipment											
	Generator 100KVA	day	1					1800	0		0	1,800
	Sub Total									1,800	0	1,800
		·									-	11 400
	Total	1		İİ				l	<u> </u>	1,800	78	11,186

Fuel & Lubricant: 125PS x 0.2 x 6 x 1.05 x 0.85

2B06-4 2C06-4

	APPENDIX-3. EQUIPM	ENT CO	ST				14 14					
•	LA UNION PORT DEVEL	LOPMEN	IT PROJE	CT			UNIT					
	2B07 and 2C07		•				FC: YEN	•				
	Self-propelled Hopper B	arge 850	0m <u>3,</u> 3t p	<u>per day</u>			LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
				M	aterial	Ł	abor	Equip	ment	Amo	ount	in 👘 👘
	1			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material			_								_
	Fuel & Labricant	lr .	1806	C	0.330		1			0	596	71,518
	Others	L.S.	1	· C	24					· 0	24	2,880
	Sub Total									0	620	74,398
2	Labor										1	
· .	High class crew	man.day	1			45000	0.00			45000	0	45,000
	Middle class crew	man.day	4			12000	0.00			48000	0	48,000
	Low class crew	man.day	4		1	0	33.00			0	132	15,840
	Sub Total									93000	132	108,840
			] ]		1 ·		ļ					
3	Equipment											
	Self-propelled Hopper 850	day	1					288720	· 0	288,720	0	288,720
	Sub Total				ļ					288,720	0	288,720
_	Total	<u> </u>		· .						381,720	752	471,958

2B07-1 2C07-1

Fuel & Lubricant: 1500PS x 0.2 x 2 x 1.05

400PS x 0.2 x 14 x 1.05

461

# LA UNION PORT DEVELOPMENT PROJECT

EX ONION FORT DEV										
2B08 and 2C08						FC: YEN			· · · · ·	
Truck crane 16t per	day					LC: US\$	·	· ·		US\$=¥12
lo Work Item	Unit	Quantity			Bas	sic Price		Unit	Cost	Total
		I F	M	aterial	L	abor	Equipment	An	ount	in
		l	FC	LC	FC	LC	FC LC	FC	LC	YEN
1 Material										
Fuel & Lubricant	lr .	90.3	0	0.330		]		0	30	3,57
Others	L.S.	1	0	0.00			- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	0	0	
Sub Total								0	30	3,57
2 Labor										
Operator	man.day	1			0	33		0	33	3,96
Others	man.day	1			0	0		0	0	
Sub Total								0	- 33	3,96
3 Equipment			4							
Truck crane 16t	day	· 1					9480	0 9,480	0	9,48
Sub Total								9,480	· 0	9,48
Total								9,480	63	17,01

UNIT

Fuel & Lubricant: 230ps x 0.2 x 1.0 x 1.05

462

100ps x 0.2 x 2.0 x 1.05

2B08-1 2C08-1

	APPENDIX-3. EQUIPME	NT CO	ST	4		·	•					
	LA UNION PORT DEVEL	OPMEN	IT PROJE	СТ			UNIT					
	2B08 and 2C08					$r = 1 + \frac{1}{2}$	FC: YEN				· · ·	
	Generator 125KVA per	day	· · · ·			· ·	LC: US\$					US\$=¥120
No			Quantity			Bas	ic Price			Unit	Cost	Total
				Ma	terial	Ľ	.abor	Equip	ment	Am	ount	in
<u> </u>				FC	LC	FC	LC _	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr .	133.00	0	0,330	· · ·					44	5,267
[	Others	L.S.	1	0	1			1	Í	0	1	120
1	Sub Total									0	45	5,387
						н. С						
2	Labor						· · · · ·					
	Operator	man.day	1			· 0	33			0	33	3,960
(	Others	man.day	· (			- 0	0		( · ·	0	. 0	0
1	Sub Tota!									· 0	-33	3,960
							,					
3	Equipment	1										
/	Generator 45KVA	day	. 1					2280	0	2,280	. 0	2,280
[	Sub Total						· ·			2,280	0	2,280
			-									
	Total							l	1	2,280	78	11,627

Fuel & Lubricant: 158ps x 0.2 x 4.0 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B08 and 2C08 Concrete pump 45m3 per day FC: YEN LC: US\$

UNIT

US\$=¥120

No	Work Item		Quantity			Bas	ic Price			Unit Cost		Total
					aterial	L	abor	Equip	ment	Ame	ount	in
÷ .				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material				{ l			ļ		{		
	Fuel & Lubricant	lr.	0	0	0.330		· ·			0	0	0
	Others	L.S.	1	0	0				•	0	· · 0	0
	Sub Total									0	0	0
2	Labor					-	:					
	Operator	man.day	1		ļ	0	33			0	33	3,960
	Others	man.day	. 1			Û	. 0			0	0	0
	Sub Total		[							0	33	3,960
										· · · ·		
3	Equipment						· ·					
	Concrete pump 45m3	day	· 1					9120	(	9,120		9,120
	Sub Total									9,120	0	9,120
	Total									9,120	33	13,080

Fuel & Lubricant:

464

2B08-3 2C08-3

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

2B09 and 2C09

UNIT FC: YEN

10	Truck crane 16t per da Work Item		Quantity				Bas	LC: US\$			Unit	Cost	Total
					Mat	erial	L	abor	Equip	ment	Am	ount	in ¹
				FC		LC	FC	LC	FC	LC	FC	LC	YEN
1	Material				T	1							
1	Fuel & Lubricant	lr	90.3		0	0.330			· ·		0	30	3,57
	Others	L.S.	1		0	0.00,		}		5	0	0	1
	Sub Total										0	30	3,57
2	Labor							- ·					
÷	Operator	man.day	1		[		O	33		[	0	33	3,96
	Others	man.day	1				0	. o			0	0	
	Sub Total					-					0	. 33	3,96
З	Equipment					÷.,		· ·					
	Truck crane 16t	day	1					ļ .	9480	0	9,480	0	9,48
- 2	Sub Total				Í						9,480	1 1	9,48
	Total							1			9,480	63	17,0

2B09-1 2C09-1

Fuel & Lubricant: 230ps x 0.2 x 1.0 x 1.05 100ps x 0.2 x 2.0 x 1.05

# LA UNION PORT DEVELOPMENT PROJECT

UNIT FC: YEN

2809 and 2C09 Generator 125KVA per day

							LC: US\$				· .	US\$=¥120
No	Generator 125KVA per Work Item	Unit	Quantity			the second second second second second second second second second second second second second second second s	c Price			Unit	Cost	Total
NO	AAOLK FEELU	Ont	Quanticy	Mate	rial		abor	Equip	ment	Amo		in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1										
	Fuel & Lubricant	lr'	133.00	o	0.330					0	44	5,26
	Others	L.S.	1	٥	1					0	1	120
	Sub Total									0	45	5,38
2	Labor											
	Operator	man.day	1	-		0	- 33			0	- 33	3,960
	Others	man.day				0	. 0			0	0	
	Sub Total									0	33	3,96
3	Equipment											
	Generator 45KVA	day	1					2280	0	2,280		_,,
	Sub Total									2,280	0	2,28
	Total									2,280	78	11,62

Fuel & Lubricant: 158ps x 0.2 x 4.0 x 1.05

2B09-2 2C09-2

2B09 and 2C Concrete pu		er day					FC: YEN LC: US\$					US\$=¥12
o Work	Item	Unit	Quantity			Bas	sic Price			Unit	Cost	Total
				Ma	aterial	L	abor	Equip	ment	Am	ount	in
i anti-				FC	LC	FC	LC	FC	LC	FC	LC	YEN
<ol> <li>Material</li> <li>Fuel &amp; Lubric: Others</li> <li>Sub Total</li> <li>Labor</li> <li>Operator</li> <li>Others</li> <li>Sub Total</li> </ol>	nt	lr L.S. man.day man.day		0 0	0.330 0	0 0	33 0			0 0 0 0 0 0 0	0 0 33 0 33	3,96 3,96
3 Equipment Concrete pum Sub Total	o 45m3	day	1	· ·				9120	0	9,120 9,120	1 5	9,12 9,12
Total		.								9,120	33	13,0

2B09-3 2C09-3

Fuel & Lubricant:

# LA UNION PORT DEVELOPMENT PROJECT

2B10 and 2C10

### FC: YEN LC: US\$

UNIT

US\$=¥120
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	Truck crane 16t per da				······				<u> </u>			T-4-1
No	Work Item	Unit	Quantity			Bas	ic Price			Unit (		Total
				Mat	erial	L	abor	Equip	ment	Amo	unt	in
		1		FC	LC	FC	LC	FC	LC	FC FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir	90.3	0	0.330					0	30	3,576
	Others	L.S.	1	0	0.00					0	0	0
	Sub Total									0	30	3,576
2	Labor											
	Operator	man.day	1			0	. 33			0	33	3,960
	Others	man.day		·		. 0	. 0			0	. 0	C
	Sub Total									0	33	3,960
3	Equipment				· · · · ·							
	Truck crane 16t	day	1	l l			1	9480	0	1	0	9,480
	Sub Total									9,480	0	9,480
	Total		· ·							9,480	63	17,01€

Fuel & Lubricant: 230ps x 0.2 x 1.0 x 1.05

468

100ps x 0.2 x 2.0 x 1.05

· · ·	APPENDIX-3. EQUIPM							÷				
	LA UNION PORT DEVE	LOPMEN	IT PROJEC	CT CO			UNIT					
	2B10 and 2C10						FC: YEN			•		
_	Generator 125KVA per	day					LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost	Total
•				Mat	erial	1	abor	Eguip	ment	Am	ount	in
	· · ·	1		FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1										
	Fuel & Lubricant	Ir	133.00	0	0.330				1	0	44	5,267
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	45	5,387
		1	{ {			1			Í			
2	Labor								1			
	Operator	man.day	1	· · ]		t t	33			0	33	3,960
	Others	man.day				· 0	0			0	0	0
	Sub Total									0	33	3,960
	and the second second second second second second second second second second second second second second second	· ·					1					
3	Equipment					· · ·						-
	Generator 45KVA	day	2 1					2280	· 0	2,280	0	2,280
·	Sub Total									2,280	0	2.280
	Total				11 1					2.280	78	11,627

Fuel & Lubricant: 158ps x 0.2 x 4.0 x 1.05

469

#### LA UNION PORT DEVELOPMENT PROJECT UNIT FC: YEN 2B10 and 2C10

	ZBTU and ZCTU						10.72.			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		
	Concrete pump 45m3	per day		· · ·			LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Ba	sic Price			Unit	Cost	Total
					iterial	1	abor	Equip	ment	Am	ount	in
1				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ir .	0	0	0.330		<b>1</b> · · ·			0	0	0
	Others	L.S.	1	. 0	0			ŧ		. 0	0	0
	Sub Total									0	. 0	0
2	Labor				1		ļ		1	1		
	Operator	man.day	1			· C	) · 33			0	33	3,960
	Others	man.day	1		)	C	o (		1	0	. 0	0
	Sub Total			•						0	33	3,960
											- -	
3	Equipment											
	Concrete pump 45m3	day	1					9120	) . C	9,120	. 0	9,120
	Sub Total									9,120	0	9,120
	Total						<u> </u>	L	Ļ	9,120	33	13.080

Fuel & Lubricant:

470

2810-3 2C10-3

LA U	NION PORT DEVEL	OPMEN	T PROJE	CT .			UNIT	• •			· · · ·	
2811	and 2C11						FC: YEN	· · · · ·				
Craw	ler crane 16t per	day		•			LC: US\$	· · · · · · · · · · · · · · · · · · ·				US\$=¥120
No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
1. A. A. A. A. A. A. A. A. A. A. A. A. A.			Γ.	Ma	iterial	Ľ	abor	Equip	ment	Am	ount	in 🕴
			] [	FC	LC	FC	LC	FC_	LC	FC	LC	YEN
i Mater	iai											
Fuel 8	& Lubricant	Ir	80	0	0.330			{		0	26	3,168
Other	S N.	L.S.		· · 0	4.00			1		. 0	4	480
Sub T	otal	Í				1		(		· 0	30	3,648
	· · ·						•					
2 Labor			]. ]									}
Opera		man.day	1			0	33			0	33	3,960
Other	'S	L.S.	1			σ	0			0	0	0
Sub T	otal									0	33	3,960
3 Equip	ment		ļļ				· · .	]				ļ
		day	1					8640	0	8,640	0	8,640
Sub T										8,640		8,640
								Į.				
Total									-	8,640	63	16,248
		ł										

Fuel & Lubricant: 96PS x 0.2 x 4 x 1.05

# LA UNION PORT DEVELOPMENT PROJECT

2B11 and 2C11 Tug boat 250PS per day UNIT FC: YEN

	Tug boat 250PS per	day		_			LC: US\$					US\$=¥120_
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost	Total
				Ma	aterial	Ľ	abor	Equip	ment	Am	ount	in
			[[	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material										·	
	Fuel & Lubricant	lr	420	0	0.330		ł			0	139	16,632
	Others	L.S.	1	0	1.00			<b>1</b> ·	[ · ·	0	1	120
	Sub Total							· · ·		0	140	16,752
2	Labor									]		
	Middle class crew	man.day	1			0	100			· 0	· 100	12,000
	Low class crew	man day	2			0	33	· .		. 0	66	264
	Sub Total		·						100 A. 19	0	166	12,264
										•		
3	Equipment							Г	]			
	Tug boat 250PS	day	1			I	ļ	11760	0	11,760	· · 0	11,760
	Sub Total									11,760	0	11,760
					ļ				1 · .			
	Total							1 · · ·		11.760	306	40,776
					1		· ·			1		

Fuel & Lubricant: 250PS x 0.2 x 8 x 1.05

APPENDIX-3.	EQUIPMENT	COST	
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LA UNION PORT DEVELOPMENT PROJECT

	2B12 and 2C12	a de la composición de la composición de la composición de la composición de la composición de la composición d					FC: YEN				•	
•	Tug boat 450PS per	day					LC: US\$				· .	US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost	ber day	Total
			ſſ	Mate	erial	La	bor	Equip	oment	Am	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material						}			1		
	Fuel & Lubricant	lr	378	0	0.330					0	125	14969
	Others	L.S.	1	0	- 5	-				. 0	5	600
	Sub Total						k		ł	0	130	15.569
2	Labor		ļ	]		· ,		· · ·				
. •	High Class Crew	manday	0	1		45000	0			0	· 0	0
	Middle Class Crew	manday	1			0	100		ļ	0	001	12,000
	Low Class Crew	manday	2			0	33			0	66	7,920
	Others	L.S.	1 1			0	0			0	0	0
	Sub Total		·				1.5			0	166	19,920
		1			. (		f					
З	Equipment		ľ									
	Tug boat 450PS	dayunit	1]	j			]	19.320	) c	19,320	0	19,320
	Sub Total	1 ·				· · · ·				19,320	0	19,320
		}					}					
	Total	1.								19,320	296	54,809
										1		

2B12-1 2C12-1

Fuel & Lubricant: 450PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B12 and 2C12 Pontoon 500t per day

# UNIT FC: YEN LC: US\$

	Pontoon 500t per di	зу			•		LC: US\$			· · · ·		US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost		_	Cost p	er day	Total
				Mate	erial	La	bor	Equip	ment	Amo	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material						·					
]	Fuel & Lubricant	ir	0	0	0.330					0	0	D
	Others	L.S.	1	0	0					0	. 0	٥
	Sub Total							·		0	0	C
2	Labor											
	High Class Crew	manday	0		·	45000	0			0	o	o
	Middle Class Crew	manday	0			12000	· 0			0	0	0
	Low Class Crew	manday	2			0	. 33			0	66	7,920
	Others	L.S.	. 1			- 0	0			0	0	0
	Sub Total									0	66	7,920
	Equipment Pontoon 500t	davunit			]			14,400		14.400	a	14,400
	Sub Total	Uayumi	· · · · · · · · · · · · · · · · · · ·	<u>.</u>		· · ·		14,400	Ĭ	14,400	0	14,400
	GUD TOTAL								1	00414		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Total									14,400	66	22,320

2B12-2 2C12-2

	AFFENDIA-J. EQUIF											
	LA UNION PORT DEV	ELOPMEN	IT PROJEC	T			UNIT					
	2B12 and 2C12						FC: YEN		. •	· ·		
	Backhoe 1.2m3 per d	lav	· · · · ·				LC: US\$	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost		·····	Cost p	er day	Total
				Mat	erial	La	bor	Equip	ment	Amo		in 👘
·· .			1	FC	LC	FC	LC	FC	LC	FC	LC	YEN
. 1	Material						· · ·					
	Fuel & Lubricant	lr l	538	· 0	0.330					. 0	178	21305
	Others	L.S.	1	0	. 2		19 ¹⁰ - 19			· 0	2	240
1.1	Sub Total	· .								. 0	180	21,545
14 J							1					
2	Labor								•			ļ
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			0 0	33			0	33	3,960
	Low Class Operator	manday	. 0			0	· 0			· 0	0	0
	Others	L.S.	1			0	0			0	0	• 0
	Sub Total	la ser esta			· ·					0	33	3,960
								at a start			1	1
3	Equipment									:		
	Backhoe 1.2m3	dayunit	1				-	15,240	. 0	15,240	0	15,240
	Sub Total									15,240	0	15,240
								·				
	Total									15,240	213	40,745
[			1		· · ·	1		[				

Fuel & Lubricant: 224PS x 0.2 x 8 x 1.05

APPENDIX-3. EQUIPMENT COST

475

2B12-3 2C12-3

LA UNION PORT DEVELOPMENT PROJECT

2B12 and 2C12

UNIT FC: YEN

	Working boat 10	0PS per	day				LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity _			Unit	Cost			Cost p	per day	Total
			Ι Γ	Mater	rial	Lat	or	Equip	ment	Am	ount	in
			ΙΓ	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1							· .			
	Fuel & Lubricant	lr	168	O	0.330					- 0	55	6653
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	60	7,253
2	Labor											
	£ ··	manday	o			45000	. 0		14 - A.	0	0	0
	Middle Class Crew	1	0			12000	Ð			0	· 0	· 0
	1	manday	2	1		0	33			0	66	7,920
	Others	L.S.	1			0	0			` O	· · · 0	0
	Sub Total									· 0	66	7,920
-	Equipment						· · ·					
	Tug boat 450PS	dayunit	. 1					3,480	0	3,480	0	3.480
	Sub Total									3,480		3,480
	Total									3,480	126	18,653
1	· ·	1	I I						and the second second	1.1		

Fuel & Lubricant: 100PS x 0.2 x 8 x 1.05

## APPENDIX-3. EQUIPMENT COST LA UNION PORT DEVELOPMENT PROJECT 2B13 and 2C13

والمية ومناورين والمتشقية والمراج 477

> UNIT FC: YEN

ZOTU anu ZUTU											
Pile Driving Barge D-72, 6	0m per da	у			•	LC: US\$					US\$=¥12
lo Work Item		Quantity			Unit	Cost			Cost p	per day	Total
			Mat	erial	La	bor	Equip	oment	Amo	ount	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material											
Fuel & Lubricant	Ir	693	0	0.33					0	229	27,44
Others	L.S.	1	0	. 11					0	11	1,32
Sub Total					1			ļ	- 0	240	28,76
		·			· · ·						
2 Labor		i i									
High Class Crew	man.day	1			45000	-0	1		45000	0	45,00
Middle Class Crew	man.day	1 4			12000				24000	r	24.00
Low Class Crew	man.day	1 1			0	33			0	198	23,76
Others	L.S.	1			0	. 0			0	0	
Sub Total									69000	198	92.76
	Į	1									
3 Equipment	1										
Pile Driving barge D-72	day.unit	1					266,160	і о	266,160	0	266,16
Sub Total									266,160		266,10
				•							
Total									335,160	438	387,68
Total									335,160	438	38

Fuel & Lubricant: 550PS x 0.2 x 6H x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

UNIT FC: YEN

Tug Boat 250PS per day

LC: US\$

US\$=¥120

Tug boat 200PS per day											0.09-+120
No Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
	1		Mate	rial	La	bor	Equir	oment	Amo	ount	în
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material											
Fuel & Lubricant	ir -	210	0	0.33		t de la tra	an an a		0	69	8,316
Others	L.S.	l · 1	. 0	· 1					0	. T	120
Sub Total									0	70	8,436
								· · ·			
2 Labor	1										· ·
High Class Crew	man.day	0		1.4	45000	1 M M M M M M M M M M M M M M M M M M M		· ·	0	0	0
Middle Class Crew	man.day	1			12000				12000	0	12,000
Low Class Crew	man.day	2			0	33		} .	0	66	7,920
Others	LS.	1			. 0	0			0	0	0
Sub Total				-				<b>.</b> .	12000	66	19,920
						· · ·	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -				
3 Equipment			1					1			
Tug boat 250PS	day.unit	. 1					11,760	. 0	11,760	0	11,760
Sub Total		·							11,760	0	11,760
										· ·	
Totał						· · · ·			23,760	. 136	40,116
								1			

Fuel & Lubricant: 250PS x 0.2 x 4H x 1.05

2B13-2 2C13-2

APPENDIX-3. EQUIPM	ENT COST
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LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13 ۸...

UNIT FC: YEN

hor Boat	180PS per da	у

	Anchor Boat 180PS per day			•		· · · ·	LC: US\$		1. A. A.			US\$=¥120
No		Unit	Quantity			Unit	Cost			Cost p	ber day	Total
				Mat	erial	La	ibor	Equir	oment	Am	ount	in
		• .	1.1%	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material						F					
	Fuel & Lubricant	Ir	37	0	0.330					0	12	1,465
	Others	L.S.	1	5 O	· · · 0			1		0	0	0
	Sub Total							1	1	0	- 12	1,465
<u></u>		1 . · ·										
2	Labor						· · ·					
	High Class Crew	man.day	0			<u> </u>	0			0	0	0
Ì.	Middle Class Crew	man.day	- 1			0	100			0	100	12,000
	Low Class Crew	man.day	2			·	33				· 66	7,920
<b>j</b> .	Others	LS.	1			0	0	}	· ·	0	0	0
•	Sub Total					· · .				0	. 166	19,920
							1					
3	Equipment	• · · ·	1.1.1.1.1.1.1					ļ	1			
	Anchor boat 180PS	day.unit	1					49,800	0	49,800		49,800
	Sub Total	1	1. A. A.			•			· · ·	49,800	0	49,800
					а.		· -	1 ·				
1 .		[ · .			. (							
	Total	1								49,800	178	71,185
L	L	L					<u></u>	l	L	l		·

Fuel & Lubricant: 180PS x 0.2 x 1H x 1.05

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

Pontoon 1000ton per day

FC: YEN LC: US\$

UNIT

US\$=¥120

	Pontoon 1000ton per day						LU: U34					000-+121
No	Work Item	Unit	Quantity			Unit	Cost			Cost p	er day	Total
			ΙΓ	Mate	rial	Lal	oor	Equip	ment	Amo	unt	in in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr	0	- O	0,319			•		0	0	
	Others	L.S.	1	0	0					0	0	
	Sub Total									• 0	0	
2	Labor											
	Low Class Crew	man.day	2			0	33			· 0	66	7,92
	Others	L.S.	1			· 0	0			0	0	
	Sub Total									0	66	7,92
3	Equipment											
	Pontoon 1000PS	day.unit	1	-				25,080	0	25,080	0	25,08
	Sub Total								, .	25,080	0	25,08
÷	Total									25,080	66	33,00
				· ·		1. A 1.						

2B13-4

2013-4

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13 Pontoon 500ton

481

UNIT

FC: YEN

	Pontoon 500ton per day						LC: US\$			· · · · · · · · · · · · · · · · · · ·		US\$=¥120
No	Work Item	Unit	Quantity	<u></u>		Unit	Cost				per day	Total
			ļĮ	Mate			abor		ment		ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	1										
	Fuel & Lubricant	lr .	0	O	0.33					0	0	. 0
	Others	L.S.	1	o	· 0					0	0	0
	Sub Total	1								0	0	0
			1 1				1	{			1	
2	Labor	1										
	Low Class Crew	man.day	2			0	) 33			- 0	·	7,920
	Others	L.S.	1	1		C	0 0	1 · · ·	í	· 0	. 0	0
	Sub Total									0	66	7,920
												. *
3	Equipment		1									
	Pontoon 500PS	day.unit	1					14,400	0	. 14,400	0	14,400
	Sub Total									14,400	1	14,400
				1								
				ļ								
	Total			l.			}			14,400	66	22,320
		1	[ ]	· 1								

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

Crawler crane 50ton per day

FC: YEN LC: US\$

UNIT

### US\$=¥120

wier crafte outon per uay						LO. 034					000 +12
Work Item	Unit	Quantity			Unit	Cost			<u>Cost p</u>	er day	Total
			Mate	rial	La	bor	Equip	ment	Amo	ount	in
· · · · · · · · · · · · · · · · · · ·			FC	LC	FC	LC	FC	LC	FC	LC	YEN
erial	T										
& Lubricant	lr	189	0	0.33	•				0	62	7,48
ers	L.S.	1 . 1	o	. 8		1			0	8	96
Total									0	70	8.44
<b>)7</b>											
	man,day	1			(	33	+		· 0	33	3,96
	L.S.	1 1			۱ (	0			0	0	
Total									0	33	3,96
ment											
and the second second second second second second second second second second second second second second second	day unit	1					22 320	·	22 320	'n	22.32
	Juay.unic	]. ']				1	EL,ULU	v	1		22,32
10(8)			1						22,020		
1									22,320	103	34,72
	Work Item erial & Lubricent ers Total or rator ers Total pment vier crane 50t Total	erial & Lubricent Ir ers L.S. Total or rator man.day ers L.S. Total poment vier crane 50t day.unit Total	erial & Lubricent Ir 189 ers L.S. 1 Total or rator man.day 1 ers L.S. 1 Total poment vier crane 50t day.unit 1 Total	erial & Lubricent Ir 189 0 ers L.S. 1 0 Total or rator man,day 1 ers L.S. 1 Total pment vier crane 50t day.unit 1 Total	Material       FC     LC       & Lubricant     Ir     189     0     0.33       ers     LS.     1     0     8       Total     nr     nan.day     1     1       or     nan.day     1     1     1       or     1     1     1     1	Material     La       FC     LC     FC       & Lubricant     Ir     189     0     0.33       ers     L.S.     1     0     8       Total     man.day     1     0     8       or     man.day     1     0     0       ors     L.S.     1     0     0       ors     Januarit     1     0     0       ors     Januarit     1     0     0	Material     Labor       FC     LC     FC     LC       & Lubricant     Ir     189     0     0.33       ers     LS.     1     0     8       Total     nr     0     33       or     man.day     1     0     33       ors     LS.     1     0     33       or     man.day     1     0     33       ors     LS.     1     0     0       or     day.unit     1     0     0       or     day.unit     1     0     0	Material     Labor     Equip       erial     8     Lubricant     Ir     189     0     0.33     0       & Lubricant     Ir     189     0     0.33     0     0       ors     L.S.     1     0     8     0     0       or     rator     man.day     1     0     33     0       ors     L.S.     1     0     33     0     0       ors     L.S.     1     0     0     0     0       ors     L.S.     1     0     0     0     0       opment     day.unit     1     22.320     22.320	Material     Labor     Equipment       erial     FC     LC     FC     LC       & Lubricant     Ir     189     0     0.33       ars     L.S.     1     0     8       Total     Iman.day     1     0     33       pr     man.day     1     0     33       prs     L.S.     1     0     0       Total     Iman.day     1     0     0       pres     L.S.     1     0     0       Total     Iman.day     1     0     0       pment     July     1     0     0       vier crane 50t     day.unit     1     22.320     0	Material     Labor     Equipment     Among       erial     Ir     189     0     0.33     IC     FC     LC     FC     LC     FC     LC     FC     IC     IC <td>MaterialLaborEquipmentAmountFCLCFCLCFCLC$\&amp;$ LubricantIr18900.33062arsLS.10803308Totalnan,day1033033033prman,day1033033033prentLS.10330033prentLS.10033033prentLS.1000033prentLS.122.320022.3200prentday.unit1122.320022.3200total111122.320022.3200</td>	MaterialLaborEquipmentAmountFCLCFCLCFCLC $\&$ LubricantIr18900.33062arsLS.10803308Totalnan,day1033033033prman,day1033033033prentLS.10330033prentLS.10033033prentLS.1000033prentLS.122.320022.3200prentday.unit1122.320022.3200total111122.320022.3200

Fuel & Lubricant: 180PS x 0.2 x 5 x 1.05

LA UNION PORT DEVELOP 2B13 and 2C13		UJEC1				UNIT FC: YEN					
Crawler crane 30ton per da						LC: US\$		<u></u>			US\$=¥120
Vork Item	Unit	Quantity	Mate	vial		Cost bor	Fouir	oment	Cost per Amou		Total
		-	FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material					· · · · · · · · · · · · · · · · · · ·						
Fuel & Lubricant	lr .	158	0	0.33			l		0	52	6,257
Others	L.S.	1	0	8					0	8	960
Sub Total	.								0	60	7,217
2 Labor			· .					1			
Operator	man.day	· 1		· · ·	0	- 33			0	33	3,960
Others	L.S.	. 1			0	· · 0			0	0	0
Sub Total	1							1	0	33	3,960
3 Equipment		1	ł				1.1.1	} ·		}	
Crawler crane 30t	day.unit	1					13,440	· 0	13,440	- 0	13,440
Sub Total									13,440	0	13,440
		1	ļ								
Total		1 1	Ì					[ . · ·	13,440	93	24,617

Fuel & Lubricant: 150PS x 0.2 x 5 x 1.05

483

2B13-7 2C13-7

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

Truck crane 25ton per day

FC: YEN LC: US\$

UNIT

US\$=¥120

o Work Item	Unit	Quantity			Unit	Cost			Cost pe	r day	Total
			Mate	erial	Lai	oor	Equip	ment	Amou	int	in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
1 Material											
Fuel & Lubricant	lr	210	0	0.33					0	69	8,316
Others	L.S.	1	0	. 1					0	1	120
Sub Total						· ·			0	70	8,436
2 Labor				1							
Operator	man.day	· 1			0	33			0	33	3,960
Others	L.S.	1	1		0	· 0	ł .		0	0	· . · (
Sub Total							1		0	33	3,960
	1			·		а. А.					
3 Equipment							· .				
Truck crane 25t	day.unit	1					12,960	i o	12,960	0	12,960
Sub Total									12,960	0	12,960
	ļ		}				} ·	] [	)		
		1 · 1		·		Т.					
Total									12,960	103	25,356

140PS x 0.2 x 5 x 1.05

484

2B13-08 2C13-08

2B13 and 2C13 Trailer 28ton per day					·	FC: YEN LC: US\$					US\$=¥120
No Work Item	Unit	Quantity			Unit	Cost			<u>Cost p</u>	per day	Total
			Mate	rial		bor		oment		ount	in
			FC	LC	FC	LC	FC	LC	FC		YEN
1 Material											· · · ·
Fuel & Lubricant	lr	148	0	0.33					· 0	49	5,86
Others	L.S.	1	0	1					0	1	120
Sub Total				· ]					) · 0	50	5,98
2 Labor				· ·			•				
Operator	man.day	1	1		0	33			0	33	3,960
Others	L.S.	1		1. I. S. S. S. S. S. S. S. S. S. S. S. S. S.	0	0			0	. 0	C
Sub Total				Í					0	33	3,960
									ł		
3 Equipment	]	j j						<b>.</b> .	j		
Trailer 28t	day.unit	1		1			8,760	0	8,760	0	8,760
Sub Total									8,760	. 0	8,760
									1		
Total									8,760	83	18,701

Fuel & Lubricant: 320PS x 0.11 x 4 x 1.05

APPENDIX-3. EQUIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

486

## UNIT FC: YEN LC: US\$

US\$=¥120

Generator 100KVA per day

No	Work Item	Unit	Quantity		<u></u>	Unit	Cost		Cost p	er day	Total	
		l		Mate	rial	La	bor	Equip	oment	Àmo	bunt	în [
1.5				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	ír	126	0	0.33		. i			0	42	4,990
	Others	L.S.		0	. 8					0	. 8	960
	Sub Total				1 A.					0	50	5,950
							· .					
2	Labor											
		man.day	1 . 1			· 0	33			0	33	3,960
	Others	L.S.	1			· 0	0			0	0	0
	Sub Total									0	. 33	3,960
			1					}	1 ·			
3	Equipment		· 1									
	Generator 100KVA	day.unit	1					1,800	0	1,800	· 0	1,800
	Sub Total									1,800	0	1,800
											and the second second	
	Total	ļ								1,800	- 83	11,710
										· · · · · · · · · · · · · · · · · · ·		

Fuel & Lubricant: 125PS x 0.2 x 6 x 1.05 x 0.8

LA UNION PORT DEVELOPMENT PROJECT

2B13 and 2C13

UNIT

FC: YEN

	Generator 45KVA and day						LC: US\$					US\$=¥120
No	Work Item	Unit	Quantity			Unit	Cost			Cost p	ier day	Total
]		1		Mat	erial	Lal	bor	Equip	ment	Amo	ount	in
	<u> </u>	<u> </u>		FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
1	Fuel & Lubricant	lr .	56	0	0.33					. 0	18	2,218
ł	Others	L.S.	1: 1	0	2			· ·		0	2	240
	Sub Total									0	20	2,458
		ł				and the state			- ·			
2	Labor	}										
1.00	Operator	man.day	1			0	33			. 0	33	3,960
	Others	L.S.	1			0	0			0		o
}	Sub Total	ł			· ·			·		{ · ` 0	33	3,960
1			<u>ا</u> _ ا						·			
3	Equipment	Į						(x, z)	· · ·			
1.	Generator 45KVA	day.unit	- 1		1			1,080	0	1,080	C	1,080
	Sub Total	i	1			· · ·				1,080	0	1,080
( **)		ĺ	.					1		( ·		
	Total									1,080	53	7,498
<u> </u>	<u> </u>	<u> </u>			1			·				

2B13-11. 2C13-11

Fuel & Lubricant: 56PS x 0.2 x 6 x 1.05 x 0.8

LA UNION PORT DEVELOPMENT PROJECT

UNIT FC: YEN

2B14 and 2C14 Generator 125KVA per day

LC: US\$

		1104 1	
		¦US\$=¥	17.211
		- yuu	- 120

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Total	
				Ma	terial	L	abor	Equip	ment	Amo	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material							•		]		
	Fuel & Lubricant	ir	199	0	0.319					0	63	7.618
	Others									)		4
	Sub Total	1								. 0	63	7,618
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	L.S.	1			0	0			0	0	0
	Sub Total									. 0	33	3,960
		1										
	Equipment						· · · ·		· .			
	Generator 125KVA	day	1					2280	· · · 0			
	Sub Total									2,280	0	2.280
		1				· .			· ·			
	Total									2,280	96	13,858
		1									1 A A	

2B14-1 2C14-1

Fuel & Lubricant: 158PS x 0.2 x 6 x 1.05

		APPENDIX-3.	EQUIPMENT	COST	
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LA UNION PORT DEVELOPMENT PROJECT · •

2B14 and 2C14 Truck grape 16t

489

UNIT FC: YEN

	Truck crane 16t per da	ay					LC: US\$		<u> </u>	· .	·	US\$=¥120
No	Work Item	Unit	Quantity			Bas	sic Price			Unit	Cost	Total
			· ·	Ma	iterial	L	abor	Equip	ment	An	ount	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material	T								1. A.		
	Fuel & Lubricant	Ir	112	0	0.319	-			• • •	. 0	36	4,287
	Others	L.S	1 1									
	Sub Total									0	. 36	4,287
1.1							1				·	
2	Labor	1.1				-						
· · ·	Operator	man.day	1			0	33			.0	- 33	3,960
	Others	L.S.	1			0	0	· .		0	0	o
	Sub Total									0	33	3,960
												· · ·
3	Equipment	}	1									1
	Crawler crane 50t	day	1					9480	0	9,480	. 0	9,480
	Sub Total									9,480		9,480
		1	1		· ·		Í	[	1			
	Total									9,480	69	17,727
l		i							ł			

Fuel & Lubricant: 230PS x 0.116 x 1 x 1.05 100PS x 0.2 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT 2B14 and 2C14

UNIT FC: YEN LC: US\$

Concrete Pump 45m3 per day

US\$=¥120

rial			Ma FC	terial		abor	Equipr	nent	Amo	4.00	in
			FO					ISCIL	1AIII0	uni	m
			FU .	LC	FC	LC	FC	LC	FC	LC	YEN
	1					· · · ·					
& Lubricant Ir	·	0	0	0.319				: [	0	0	(
rs								(			
otal									. 0	0	Ċ
										00	0.00
	an.day	1		· .	U	33		· ·	0	33	3,960
rs L	.S.	1			0	0		Į	0	0	(
otal								 I	0	33	3,960
ment											
	av	1					9120	. 0	9,120	0	9,120
otal	Ĭ I								9,120	0	9,120
						÷ .					
								L	9,120	33	13,080
Tota mel reto	al nt e Pump 45m3 da	nt e Pump 45m3 day	al nt e Pump 45m3 day 1	al nt e Pump 45m3 day 1	al nt e Pump 45m3 day 1	al nt e Pump 45m3 day 1	al nt e Pump 45m3 day 1	al nt e Pump 45m3 day 1 9120	al nt e Pump 45m3 day 1 9120 0	al 0 nt e Pump 45m3 day 1 al 9120 0 9.120 9.120	al 0 33 nt e Pump 45m3 day 1 9120 0 9,120 0 al 9,120 0

2B14-3 2C14-3

LA UNION PORT DEVELOPMENT PROJECT

2B15 and 2C15

UNIT FC: YEN

	Truck crane 16t per o	lay			·		LC: US\$				·	US\$=¥120	
No	Work Item	Unit	Quantity		Basic Price						Unit Cost		
		1		Mat	erial	L	abor	Equip	ment	Am	ount	in	
-		1		FC	LC	FC	LC	FC	LC	FC	LC	YEN	
1	Material												
	Fuel & Lubricant	lr.	90.3	0	0.330				}	0	30	3,576	
	Others	L.S.	1	0	0.00					0	· 0	0	
i	Sub Total									0	30	3,576	
•													
2	Labor		1. 1		1		. I	{ .	1				
	Operator	man.day	· 1		1	. 0	33			- 0	33	3,960	
	Others	man.day	1	·	· ·	- 0	. 0		1	0	0	0	
	Sub Total		}	1	· · 1					0	33	3,960	
				1									
3	Equipment												
	Truck crane 16t	day	1	Í	(			9480	0	9,480	0	9,480	
	Sub Total			. ]						9,480	. 0	9,480	
	Total		L	<u> </u>	<u> </u>		L	L	L	9,480	63	17,016	

2B15-1 2C15-1

Fuel & Lubricant: 230ps × 0.2 × 1.0 × 1.05

100ps x 0.2 x 2.0 x 1.05

LA UNION PORT DEVELOPMENT PROJECT

UNIT FC: YEN

Truck 8t per day

2B15 and 2C15

US\$=¥120 LC: US\$ Unit Cost **Basic Price** Work Item Unit Quantity Total No Labor Equipment Material Amount in FC LC FC LC YEN FC LC FC LC 1 Material Fuel & Lubricant 39 4,633 117.00 0.330 0 0 L.S. 120 Others n n 40 4,753 Sub Total D 2 Labor 33 0 33 3,960 Operator man.day n Others man.day n O 0 0 0 33 3,960 Sub Total 0 3 Equipment 3480 3,480 3,480 Truck 8t day ß 0 3,480 3,480 Sub Total 0 3,480 73 12,193 Total

Fuel & Lubricant: 253ps x 0.11 x 4.0 x 1.05

492

2B15-2 2C15-2

	APPENDIX-3. EQUIPMI	ENT CO	ST			* -	·					
	LA UNION PORT DEVEL	LOPMEN	IT PROJE	CT			UNIT		• •			· ·
	2B15 and 2C15				e e s		FC: YEN					
	Trailer 20t per day			·			LC: US\$	· · · · · · · · · · · · · · · · · · ·		•		US\$=¥120
No	Work Item	Unit	Quantity				ic Price			Unit C		Total
					terial	the second second second second second second second second second second second second second second second s	abor	Equip		Amou		in
		<u> </u>		FC_	LC	FC	LC	FC	LC	FC		YEN
1	Material											
	Fuel & Lubricant	lr	148	0	0.330						49	5,861
	Others	L.S.	1	0	· 1					0	· 1	D
	Sub Total	1				1.1			1	0	50	5,861
					·		-					
. 2	Labor							1				
	Operator	man.day	1	· · · · [	[	0	. 33		}	0	33	3,960
	Others	man.day	1	-		0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment	1										
	Trailer 20t	day	1		1			7320	D	7,320	0	7,320
	Sub Total		1							7,320	0	7,320
	Totai							. · ·		7,320	83	17.141

2B15-3 2C15-3

Fuel & Lubricant: 320PS x 0.11 x 4 x 1.05

LA UNION PORT DEVELOPMENT PROJECT	UNIT
2B15 and 2C15	FC: YEN

Generator 45KVA per day

LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity			Bas	ic Price			Unit	Cost	Total
				Ma	terial	Ĺ	abor	Equip	ment	Amo	unt	in
		}		FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr	56	0	0.330					0	18	2,218
	Others 🖉	L.S.	. 1	0	2					. 0	2	240
	Sub Total									0	20	2,458
2	Labor											
1	Operator	man.day	1			0	33			0	33	3,960
	Others	man.day	t			· 0	0			0	0	. 0
l ·	Sub Total									0	33	3,960
1							. *					
3	Equipment		1 A.									
	Generator 45KVA	day	1					1080	. 0	1,080	1 · · · · · · · · · · · · · · · · · · ·	1,080
	Sub Total									1,080	0	1.080
		}			· · .							
	Total	<u>L</u>					l	L		1,080	53	7,498

Fuel & Lubricant: 56PS x 0.2 x 6 x 1.05

2B15-4 2C15-4

· · · · ·	APPENDIX-3. EQUIPMI LA UNION PORT DEVEL			ст		•	UNIT					
÷ .	2816	1. 	-				FC: YEN					
	Generator 45KVA per	day	<u></u>				LC: US\$				· · · · · · · · · · · · · · · · · · ·	US\$=¥120
No	Work Item	Unit	Quantity			Bas	sic Price			Unit (	Cost	Total
		l	} .[	Ma	terial	Ľ	abor	Equip	ment	Атто	unt	in
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material											
	Fuel & Lubricant	lr .	56	0	0.330					0	18	2,218
	Others	L.S.	1	0	2.00					0	2	240
	Sub Total		·		1				1 .	0	20	2,458
		1 N.										
2	Labor											
	Operator	man.day	1			0	- 33		1	0	33	3,960
	Others	L.S.	1			0	0			0	0	0
· ·	Sub Total				ļ			· · ·		. 0	33	3,960
í (			[ [				1		{			<b>1</b> 2
3	Equipment	Į										
	Generator 45KVA	day	1			1.1		1080	0	1,080		1,080
	Sub Total									1,080	0	1,080
						÷ .					· · [	
1	Total									1,080	53	7,498
		L				· · ·					· · · · · · ·	

2B16-1 2C16-1

Fuel & Lubricant: 56PS x 0.2 x 6 x 1.05 x 0.8

## LA UNION PORT DEVELOPMENT PROJECT

2B16 and 2C16

Truck 8t per dav

## FC: YEN LC: US\$

UNIT

US\$=¥120

	Truck of per day						LO. 03#					214-40
No	Work Item	Unit	Quantity			Bas	Unit Cost Amount		Total			
			[	Material		Labor			Equipment		in	
				FC	LC	FC	LC	FC	LC	FC	LC	YEN
1	Material									1		
	Fuel & Lubricant	lr	175	- O	0.330					0	58	6,93
	Others	L.S.	1	0	2.00					0	2	24
	Sub Total									0	60	. 7,1
2	Labor											
	Operator	man.day	1	ļ		0	33			o	33	3,91
	Others	L.S.	1			0	· · 0			0	0	
	Sub Total									0	33	3,9
				1								
3	Equipment			1					-			
	Truck 8t	day	1	1				3480	0	3,480	0	3,48
	Sub Total					·				3,480	0	3,41
	Total					•				3,480	93	14,6

Fuel & Lubricant: 253PS x 0.11 x 6 x 1.05

APPENDIX-3. EQL	JIPMENT COST

LA UNION PORT DEVELOPMENT PROJECT

UNIT FC: YEN

2B16 and 2C16 Truck crane 16t per day

ZDIO and LOIO						10. TEN					
Truck crane 16t per da	γ	· · ·				LC: US\$					US\$=¥12
		Quantity			Bas	Unit	Total				
					Labor		Equipment		Amount		in
			FC	LC	FC	LC	FC	LC	FC	LC	YEN
Material											
Fuel & Lubricant	lr .	190	0	0.330			ł		01	63	7,524
Others	L.S.	1	o	2.00					0	2	240
Sub Total									. 0	65	7,764
	ľ					· _ ·	(			· · · · ·	
Labor											
Operator	man.day	1]			. 0	33	j		· 0	33	3,960
Others	L.S.	1			0	0			0	· 0	(
									· 0	33	3,960
	1							194 1			
Fourment											
· · ·	dav	1		-			9480	0	9,480	· · 0	9,480
1									)	1	9,480
									0,100	· · ·	0,.00
Total				÷					9,480	98	21,204
	ĺ					•					
	Truck crane 16t per da Work Item Material Fuel & Lubricant Others Sub Total Labor Operator	Truck crane 16t per dayWork ItemUnitMaterialIrFuel & LubricantIrOthersL.S.Sub TotalIrLaborOperatorOperatorman.dayOthersL.S.Sub TotalIrEquipmentTruck crane 16tSub TotalIr	Truck crane 16t per dayWork ItemUnitQuantityMaterialIIFuel & LubricantIr190OthersL.S.1Sub TotalIILaborIIOperatorIman.day1OthersL.S.1Sub TotalI.S.1EquipmentIITruck crane 16tday1Sub TotalII	Truck crane 16t per day       Work Item     Unit     Quantity       Material     FC       Material     Ir     190       Fuel & Lubricant     Ir     190       Others     L.S.     1       Sub Total     I       Labor     man.day     1       Operator     man.day     1       Others     L.S.     1       Sub Total     I     I       Equipment     I     I       Truck crane 16t     day     1	Truck crane 16t per day         Work Item       Unit       Quantity         Material       FC       LC         Material       FC       LC         Material       Ir       190       0       0.330         Others       L.S.       1       0       2.00         Sub Total       Ir       190       0       0.330         Chers       L.S.       1       0       2.00         Sub Total       Instruction       Instruction       Instruction       Instruction         Labor       Instruction       Instruction       Instruction       Instruction       Instruction         Operator       man.day       1       Instruction       Instruction       Instruction       Instruction       Instruction         Sub Total       Instruction       Instruction <td>Truck crane 16t per dayWork ItemUnitQuantityBasMaterialLFCLCFCMaterialIr19000.330OthersL.S.102.00Sub TotalInstructureInstructure0LaborInstructureInstructure0OperatorInstructureInstructureOthersL.S.10Sub TotalInstructure0EquipmentInstructure0Sub TotalInstructure0Sub TotalInstructureSub Tota</td> <td>LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor       Material     Labor       Fuel &amp; Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00       Sub Total     Instruction     Instruction     0     33       Chers     L.S.     1     0     33       Sub Total     Instruction     1     0     33       Chers     L.S.     1     0     0       Sub Total     Instruction     Instruction     0     0       Sub Total     Instruction     Instruction     Instruction     0</td> <td>LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor     Equip       For     LC     FC     LC       Material     Labor     Equip       Fuel &amp; Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00     1       Sub Total     Instruction     Instruction     1     0     33       Chers     L.S.     1     0     33       Sub Total     Instruction     Instruction     1     0     33       Chers     L.S.     1     0     0     33       Chers     L.S.     1     0     0     33       Chers     L.S.     1     0     0     9480       Sub Total     Instruction     1     1     9480</td> <td>LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor     Equipment       Fuel &amp; Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00       Sub Total     man.day     1     0     33       Operator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     L.S.     1     0     0       Chers     L.S.     1     0     33       Operator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     a     1     0     0       Sub Total     a     1     0     0</td> <td>LC: US\$Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmuMaterialLaborEquipmentAmuFCLCFCLCFCMaterialIr19000.3300OthersL.S.102.000Sub TotalInterventionIntervention0330Operatorman.day10330OthersL.S.100330Sub TotalIntervention00330ChersL.S.100330Sub TotalIntervention0000Sub TotalIntervention<td>LC: US\$Unit QuantityLC: US\$Work ItemUnitQuantityMaterialLaborEquipmentAmountMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr19000.330063OthersL.S.102.000063Sub TotalI.S.102.00065LaborI.S.1033033Operatorman.day1033033OthersL.S.1033033Sub TotalI.S.1033033EquipmentTruck crane 16tday1948009.4800Sub TotalI.S.1I.S.9.48009.4800</td></td>	Truck crane 16t per dayWork ItemUnitQuantityBasMaterialLFCLCFCMaterialIr19000.330OthersL.S.102.00Sub TotalInstructureInstructure0LaborInstructureInstructure0OperatorInstructureInstructureOthersL.S.10Sub TotalInstructure0EquipmentInstructure0Sub TotalInstructure0Sub TotalInstructureSub Tota	LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor       Material     Labor       Fuel & Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00       Sub Total     Instruction     Instruction     0     33       Chers     L.S.     1     0     33       Sub Total     Instruction     1     0     33       Chers     L.S.     1     0     0       Sub Total     Instruction     Instruction     0     0       Sub Total     Instruction     Instruction     Instruction     0	LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor     Equip       For     LC     FC     LC       Material     Labor     Equip       Fuel & Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00     1       Sub Total     Instruction     Instruction     1     0     33       Chers     L.S.     1     0     33       Sub Total     Instruction     Instruction     1     0     33       Chers     L.S.     1     0     0     33       Chers     L.S.     1     0     0     33       Chers     L.S.     1     0     0     9480       Sub Total     Instruction     1     1     9480	LC: US\$       Work Item     Unit     Quantity     Basic Price       Material     Labor     Equipment       Fuel & Lubricant     Ir     190     0     0.330       Others     L.S.     1     0     2.00       Sub Total     man.day     1     0     33       Operator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     L.S.     1     0     0       Chers     L.S.     1     0     33       Operator     man.day     1     0     33       Others     L.S.     1     0     0       Sub Total     a     1     0     0       Sub Total     a     1     0     0	LC: US\$Work ItemUnitQuantityBasic PriceUnitMaterialLaborEquipmentAmuMaterialLaborEquipmentAmuFCLCFCLCFCMaterialIr19000.3300OthersL.S.102.000Sub TotalInterventionIntervention0330Operatorman.day10330OthersL.S.100330Sub TotalIntervention00330ChersL.S.100330Sub TotalIntervention0000Sub TotalIntervention <td>LC: US\$Unit QuantityLC: US\$Work ItemUnitQuantityMaterialLaborEquipmentAmountMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr19000.330063OthersL.S.102.000063Sub TotalI.S.102.00065LaborI.S.1033033Operatorman.day1033033OthersL.S.1033033Sub TotalI.S.1033033EquipmentTruck crane 16tday1948009.4800Sub TotalI.S.1I.S.9.48009.4800</td>	LC: US\$Unit QuantityLC: US\$Work ItemUnitQuantityMaterialLaborEquipmentAmountMaterialLaborEquipmentAmountFCLCFCLCFCLCMaterialIr19000.330063OthersL.S.102.000063Sub TotalI.S.102.00065LaborI.S.1033033Operatorman.day1033033OthersL.S.1033033Sub TotalI.S.1033033EquipmentTruck crane 16tday1948009.4800Sub TotalI.S.1I.S.9.48009.4800

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

100PS x 0.2 x 4 x 1.05