

APPENDIX-1. LABOR COST

APPENDIX-I 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) christmas 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 No.	Particular	Unit	Unit Price(per day)
			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	Architect	man/mon.	5488.00
22	Building Engineer	man/mon.	5,488.00
23	Surveyor	man/mon.	1138.00
24	Adomistrator	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: 3x8hours 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.

	Code No.	Name	Class/Type	Unit	Unit Cost	
					Forein(US\$)	Local(US\$)
Fuel & Others						
1		Fuel	Diesel Heavy Oil	liter	-	0.31
2		Fuel	Diesel Light Oil(Kerosine)	liter	-	0.28
3		Fuel	Gasoline/Petrol	liter	-	0.51
4		Fuel	Marine heavy oil (turbine)	liter	-	0.19
5		Fuel	Marine light oil (diesel engine)	liter	-	0.33
6		Lubricant		liter	-	1.42
7		Acetylene Gas		kg	-	1.05
8		Oxygen		m3	-	0.62
9		Water		m3	-	
Sand, Aggregate & Rock						
10		Sand	for Reclamation	m3	-	4.00
11		Sand	for Concrete	m3	-	8.23
12		Sand	for Replacement	m3	-	6.00
13		Course Aggregate	40mm	m3	-	18.85
14		Course Aggregate	25mm	m3	-	21.31
15		Quarry Run	10-50kg	m3	-	7.54
16		Crushed Stone	5.0-100kg	m3	-	6.40
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	-	7.75
20		Armor Stone	2 ton	m3	-	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	-	64.00
	25	Asphalt concrete	Coarse	ton	-	64.00
	26	Straight Asphalt		kg	-	0.57
	27	Asphalt bitumen	for Asphalt concrete	kg	-	0.25
	28	Asphalt bitumen	for Prime coat	liter	-	0.25
	29	Asphalt bitumen	for Tack coat	liter	-	0.25
Concrete						
	30	Portland cement	bag	ton	-	102.85
	31	Portland cement	bulk	ton	-	65.00
	32	Mortar		m3	-	75.00
	33	Ready mixed concrete	270kg/cm2	m3	-	75.00
	34	Ready mixed concrete	240kg/cm2	m3	-	70.00
	35	Ready mixed concrete	180kg/cm2	m3	-	67.00
	36	Ready mixed concrete	120kg/cm2	m3	-	65.00
	37	Admixture, AE Agent		kg	-	4.73
Steel						
	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	-	400
	41	H-Shaped steel	350x350x12x19x6m length 135kg/m	ton	-	400
	42	H-Shaped steel	300x300x10x15x6m length 93kg/m	ton	-	400
	43	H-Shaped steel	250x250x9x14x6m length 72kg/m	ton	-	400
	44	L-Shaped steel	50x50x6x6m length 4.43kg/m	ton	-	410
	45	L-Shaped steel	75x75x9x6m length 9.96kg/m	ton	-	410
	46	Reinforcement bar(round)	less than 13mm	ton	-	360
	47	Reinforcement bar(round)	16-25mm	ton	-	340
	48	Reinforcement bar(round)	29-32mm	ton	-	350
	49	Reinforcement bar(Deformed)	less than 13mm	ton	-	360

APPENDIX-2 MATERIAL COST (3/5)

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

	Code No.	Name	Class/Type	Unit	Unit Cost	
					Forein(US\$)	Local(US\$)
Steel						
	50	Reinforcement bar(Deformed)	16-25mm	ton	-	360.00
	51	Reinforcement bar(Deformed)	29-32mm	ton	-	350.00
	52	Steel plate	t=20mm	ton	-	330.00
	53	Steel plate	t=10mm	ton	-	330.00
	54	Wire rope	Dia 32mm	m	-	0.63
	55	Wire rope	Dia 26mm	m	-	0.63
	56	Rail	70.0kg/m	ton	-	113.00
	57	Rail	50.0kg/m	ton	-	113.00
	58	Channel steel	11x 250x90	ton	-	380.00
	59	Channel steel	12x300x90	ton	-	380.00
	60	Anchor bolt	M16x200mm	pc	-	9.62
	61	Bolt/Nut	M24x65	pc	-	6.61
	62	Bolt/Nut	M16x65	pc	-	2.84
	63	Welding rod	1/8	kg	-	2.07
	64	Welding rod	5/32	kg	-	2.07
	65	Welding rod	3/16	kg	-	2.07
Timber etc.						
	66	Timber	1'*1' - 2'*8' (treated)	m3	-	397.00
	67	Board	t=18mm	m3	-	821.00
	68	Board	t=15mm	m3	-	909.00
	69	Board	t=6mm	m3	-	1038.00
Products of Concrete						
	70	R.C. Pipe	Dia 457mm t=50mm	m	-	23.17
	71	R.C. Pipe	Dia 610mm t=65mm	m	-	29.36
	72	R.C. Pipe	Dia 762mm t=88mm	m	-	51.00
	73	R.C. Pipe	Dia. 914mm t=101mm	m	-	76.50
	74	R.C. Pipe	Dia. 1219mm t= 127mm	m	-	136.75

APPENDIX-2 MATERIAL COST (4/5)

PORT REACTIVATION PROJECT IN LA UNION PROVINCE

	Code No.	Name	Class/Type	Unit	Unit Cost	
					Forein(US\$)	Local(US\$)
Others						
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	Type A	No.	10,000	-
81		Fender	Type B	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)

Furniture and Equipment

No.	Item	Unit	Price(US\$)	Remark
1	Vehicle CAMRY 2.4	No	32,000	
2	" TOYOTA HI-ACE	No	21,800	
3	" TOYOTA Runner 4 x 4	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	Whiteboard 1.2 x 0.90	No	45	
9	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	First aid kit	No	25	
19	Copying machine per minute 40sheets	No	8,000	
20	Copying machine per minute 28sheets	No	5,500	
21	Facsimile machine	No	300	
22	Digital video tape recorder	No	4,000	
23	Color printer inkjet type	No	1,100	
24	Telephone switchboard	No	1,000	
25	Portable radio VHF-FM	No	250	
26	Binding machine	No	260	
27	Electric typewriter	No	350	
28	Computer INTEL 17" monitor	No	1,400	
29	Plotter HP800ps	No	9,300	
30	Network cable hub of 24 ports	No	900	
31	Refrigerator 21m3	No	800	
32	Microwave, 1000W	No	300	
33	Electric stove	No	75	
34	Electric kettle	No	30	
35	Kitchen cupboard lockable 1.8 x 0.9 x 0.6	No	160	
36	Coffee maker	No	170	
37	Electric bottled water dispenser	No	350	

APPENDIX-3. EQUIPMENT COST

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 1B01 and 1B02
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	210.0	0	0.33					0	69	8,316
	Others	L.S	1.0	0	0					0	0	0
	Sub Total									0	69	8,316
2	Labor											
	High class crew	man	0			45000	0			0	0	0
	Middle class crew	man	1			0	100			0	100	12,000
	Low class crew	man	2			0	33			0	66	7,920
	Sub Total									0	166	19,920
3	Equipment											
	Tug boat 250PS	day	1					11,760	0	11,760	0	11,760
	Sub Total									11,760	0	11,760
	Total									11,760	235	39,996

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 1B01 and 1B02
 Pontoon 500ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	0			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
3	Equipment											
	Pontoon 500ton	day	1					14,400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

Fuel & Lubricant:

1B01-2
 1B02-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 1B01 and 1B02
 Crawler crane 30ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	157	0	0.33					0	52	6,217
	Others	L.S	1	0	0					0	0	0
	Sub Total									0	52	6,217
2	Labor											
	Operator	man	1			0	33			0	33	3,960
		man	0			0	0			0	0	0
		man	0			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Crawler crane 30ton	day	1					13,440	0	13,440	0	13,440
	Sub Total									13,440	0	13,440
	Total									13,440	85	23,617

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 1B01 and 1B02
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	126	0	0.33					0	42	4,990
	Others	L.S	1	0	0					0	0	0
	Sub Total									0	42	4,990
2	Labor											
	Operator	man	1			0	33			0	33	3,960
		man	0			0	0			0	0	0
		man	0			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 100KVA	day	1					1,800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									1,800	75	10,750

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

1B01-4
 1B02-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 1B01 and 1B02
 Backhoe 1.5m³ per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	636	0	0.33					0	210	25,186
	Others	L.S	1	0	0					0	0	0
	Sub Total									0	210	25,186
2	Labor											
	Operator	man	1			0	33			0	33	3,960
		man	0			0	0			0	0	0
		man	0			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Backhoe 1.5 m ³	day	1					19,440	0	19,440	0	19,440
	Sub Total									19,440	0	19,440
	Total									19,440	243	48,586

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A01

UNIT
 FC: YEN
 LC: US\$

Trailer Suction Hopper Dredger 8000m³ per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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											
	High Class Crew	manday	12			45000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475,200	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											
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A01
 Working Boat 480PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Working Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									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
 2A01

UNIT
 FC: YEN
 LC: US\$

Passenger Boat 100PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	0
	Low Class Crew	manday	2			0	33			0	66	7920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16158

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A01
 Survey Boat 70PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	hr	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	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	152	20,568

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02

UNIT
 FC: YEN
 LC: US\$

Trailer Suction Hopper Dredger 8000m3 per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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											
	High Class Crew	manday	12			45000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475,200	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											
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02
 Working Boat 480PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No.	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lir	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Working Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									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
 2A02

UNIT
 FC: YEN
 LC: US\$

Passenger Boat 100PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lit	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	0
	Low Class Crew	manday	2			0	33			0	66	7920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16158

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02
 Survey Boat 70PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	152	20,568

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02
 Bulldozer 21t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Bulldozer 21t	dayunit	1					12360	0	12,360	0	12,360
	Sub Total									12,360	0	12,360
	Total									12,360	200	36,302

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02
 Backhoe 1.5m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	764	0	0.32					0	244	29,246
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	244	29,246
2	Labor											
	Operator	manday	1			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Backhoe 1.5m3	dayunit	1					19440	0	19,440	0	19,440
	Sub Total									19,440	0	19,440
	Total									19,440	277	52646

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A02
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	dayunit	1					1080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	73	9,863

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

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

UNIT
FC: YEN
LC: US\$

Trailer Suction Hopper Dredger 8000m³ per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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											
	High Class Crew	manday	12			45000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475,200	0	475,200
	Low Class Crew	manday	6			12000	0			72,000	0	72,000
	Others	L.S.	1			0	0			0	0	0
	Sub Total									1,087,200	0	1,087,200
3	Equipment											
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT

2A03

Working Boat 480PS per day

UNIT
FC: YEN
LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Anchor Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									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
 2A03
 Passenger Boat 100PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	0
	Low Class Crew	manday	2			0	33			0	66	7920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16158

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

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

UNIT
 FC: YEN
 LC: US\$

Survey Boat 70PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in US\$
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	152	20568

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

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT
2A04

UNIT
FC: YEN
LC: US\$

Trailer Suction Hopper Dredger 8000m³ per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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											
	High Class Crew	manday	12			45,000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39,600	0			475,200	0	475,200
	Low Class Crew	manday	6			12,000	0			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	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A04

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

Working Boat 480PS per day

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Working Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									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
 Passenger Boat 100PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	0
	Low Class Crew	manday	2			0	33			0	66	7920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16158

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A04

UNIT
 FC: YEN
 LC: US\$

Survey Boat 70PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	152	20,568

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

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT
2A04

UNIT
FC: YEN
LC: US\$

Bulldozer 21t per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Bulldozer 21t	dayunit	1					12360	0	12,360	0	12,360
	Sub Total									12,360	0	12,360
	Total									12,360	200	36302

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A04

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

Backhoe 1.5m3 per day

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	764	0	0.32					0	244	29,246
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	244	29,246
2	Labor											
	Operator	manday	1			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Backhoe 1.5m3	dayunit	1					19440	0	19,440	0	19,440
	Sub Total									19,440	0	19,440
	Total									19,440	277	52,646

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A04
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	dayunit	1					1080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	73	9,863

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A05,2A07,2A08 and 2A09

UNIT
 FC: YEN
 LC: US\$

Trailer Suction Hopper Dredger 8000m3 per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	Labour											
	High Class Crew	manday	12			45000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475,200	0	475,200
	Low Class Crew	manday	6			12000	0			72,000	0	72,000
	Others	L.S.	1			0	0			0	0	0
	Sub Total									1,087,200	0	1,087,200
3	Equipment											
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A05,2A07,2A08 and 2A09
 Working Boat 480PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labour											
	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											
	Anchor Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									166,920	206	191,639

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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A05,2A07,2A08 and 2A09
 Passenger Boat 100PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	105	0	0.33					0	35	4,158
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	40	4,758
2	Labour											
	Middle Class Crew	manday	0			0	0			0	0	0
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16,158

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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A05,2A07,2A08 and 2A09
 Survey Boat 70PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in US\$
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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	Labour											
	Surveyer	manday	2			0	33			0	66	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total							2,280	0	2,280	0	2,280
	Total							2,280		2,280	152	20,568

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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06

UNIT
 FC: YEN
 LC: US\$

Trailer Suction Hopper Dredger 8000m3 per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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											
	High Class Crew	manday	12			45000	0			540,000	0	540,000
	Middle Class Crew	manday	12			39600	0			475,200	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											
	Pump Dredger 8000PS	dayunit	1					2,744,880	0	2,744,880	0	2,744,880
	Sub Total									2,744,880	0	2,744,880
	Total									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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06
 Working Boat 480PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.33					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Working Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									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
 2A06
 Passenger Boat 100PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	0
	Low Class Crew	manday	2			0	33			0	66	7920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	106	16,158

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06
 Survey Boat 70PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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	7,920
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	132	15,840
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total							2,280	0	2,280	0	2,280
	Total							2,280		2,280	152	20,568

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06

UNIT
 FC: YEN
 LC: US\$

Bulldozer 21t per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Bulldozer 21t	dayunit	1					12360	0	12,360	0	12,360
	Sub Total									12,360	0	12,360
	Total									12,360	200	36,302

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06
 Backhoe 1.5m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	764	0	0.32					0	244	29,246
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	244	29,246
2	Labor											
	Operator	manday	1			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Backhoe 1.5m3	dayunit	1					19440	0	19,440	0	19,440
	Sub Total									19,440	0	19,440
	Total									19,440	277	52646

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A06
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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			0	33			0	33	3,960
	Others	manday	0			0	33			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	dayunit	1					1080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	73	9,863

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Grab Bucket Dredger 20.0m³ per day

UNIT

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	7,560	0	0.330					0	2,495	299,376
	Others	L.S.	1	0	157					0	157	18,840
	Sub Total									0	2,652	
2	Labor											
	High Class Crew	manday	4			45000	0			180,000	0	180,000
	Middle Class Crew	manday	10			12000	0			120000	0	120,000
	Low Class Crew	manday	6			0	33			0	198	23,760
	Others	L.S.	1			0	0			0	0	0
	Sub Total									300,000	198	323,760
3	Equipment											
	Grab Bucket Dredger 20m ³	dayunit	1					986,760	0	986,760	0	986,760
	Sub Total									986,760	0	986,760
	Total									1,286,760	2,850	1,310,520

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

2A10-1
 2A11-1
 2A12-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Pusher Boat 3000PS per day

UNIT

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	9,450	0	0.330					0	3,119	374,220
	Others	L.S.	1	0	58					0	58	6,960
	Sub Total									0	3,177	381,180
2	Labor											
	High Class Crew	manday	1			45000	0			45,000	0	45,000
	Middle Class Crew	manday	3			12000	0			36000	0	36000
	Low Class Crew	manday	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									81,000	66	88,920
3	Equipment											
	Pusher Boat 3000PS	dayunit	1					164,880	0	164,880	0	164,880
	Sub Total									164,880	0	164,880
	Total									245,880	3,243	634,980

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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Anchor Boat 480PS per day

UNIT

FC: YEN
 LC: US\$

US\$=¥120

No.	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	403	0	0.330					0	133	15,959
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	140	16,799
2	Labor											
	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											
	Anchor Boat 480PS	dayunit	1					142,920	0	142,920	0	142,920
	Sub Total									142,920	0	142,920
	Total									166,920	206	191,639

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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Hopper Barge 3,500m3 per day

UNIT

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
2	Labor											
	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
3	Equipment											
	Hopper Barge 3500m3	dayunit	1					195,000	0	195,000	0	195,000
	Sub Total									195,000	0	195,000
	Total									195,000	66	202,920

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Passenger Boat 100PS per day

UNIT

FC: YEN

LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	105	0	0.330					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	0
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	66	7,920
3	Equipment											
	Passenger Boat 100PS	dayunit	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A10,2A11 and 2A12
 Survey Boat 70PS per day

UNIT

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	58.80	0	0.330					0	19	2,328
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	20	2,448
2	Labor											
	Surveyer	manday	0			0	46			0	0	0
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	66	7,920
3	Equipment											
	Survey Boat 70PS	dayunit	1					2,280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	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
 2A13
 Bulldozer 21t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	434	0	0.33					0	143	17186
	Others	L.S.	1	0	0					0	0	0
	Sub Total									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
3	Equipment											
	Tug boat 450PS	dayunit	1					12,360	0	12,360	0	12,360
	Sub Total									12,360	0	12,360
	Total									12,360	176	33,506

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2A13

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

Backhoe 1.5m3 per day

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	636	0	0.33					0	210	25186
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	212	25,426
2	Labor											
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			0	33			0	33	3,960
	Low Class Operator	manday	0			0	0			0	0	0
	Sub Total									0	33	3,960
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	245	44,626

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B01 and 2C01
 Tug boat 450PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	378	0	0.330					0	125	14969
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	130	15,569
2	Labour											
	High Class Crew	manday	0			45000	0			0	0	0
	Middle Class Crew	manday	1			0	100			0	100	12,000
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	166	19,920
3	Equipment											
	Tug boat 450PS	dayunit	1					19,320	0	19,320	0	19,320
	Sub Total									19,320	0	19,320
	Total									19,320	296	54,809

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B01 and 2C01
 Pontoon 500t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0.375					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
2	Labour											
	High Class Crew	manday	0			45000	0			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									0	66	7,920
3	Equipment											
	Pontoon 500t	dayunit	1					14,400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

2B01-2
 2C01-2

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT
2B01 and 2C01

UNIT
FC: YEN
LC: US\$

Working boat 100PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	168	0	0.330					0	55	6,653
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	55	6,653
2	Labour											
	High Class Crew	manday	0			45000	0			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									0	66	7,920
3	Equipment											
	Tug boat 450PS	dayunit	1					3,480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	121	18,053

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B01 and 2C01
 Backhoe 1.2m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	538	0	0.330					0	178	21305
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	180	21,545
2	Labour											
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			0	33			0	33	3,960
	Low Class Operator	manday	0			0	0			0	0	0
	Sub Total									0	33	3,960
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

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

2B01-4
 2C01-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B01 and 2C01
 Crawler Crane 30ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	252	0	0.330					0	83	9979
	Others	L.S.	1	0	7					0	7	840
	Sub Total									0	90	10,819
2	Labour											
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			0	33			0	33	3,960
	Low Class Operator	manday	0			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Crawler crane 30t	dayunit	1					13,440	0	13,440	0	13,440
	Sub Total									13,440	0	13,440
	Total									13,440	123	28,219

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

2B01-5
 2C01-5

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B02 and 2C02
 Tug boat 250PS per day

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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											
	Middle class crew	man.day	1			0	100.00			0	100	12,000
	Low class crew	man.day	1			0	33.00			0	33	3,960
	Sub Total									0	133	15,960
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

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

2B02-1
 2C02-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B02 and 2C02
 Pontoon 100t per day

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr.	0.00	0	1.04					0	0	0
	Others	L.S.	1	0	0.00					0	0	0
	Sub Total									0	0	0
2	Labour											
	Labour	man.day	2			0	14.30			0	29	3,432
	Others	L.S.	1			0	0.00			0	0	0
	Sub Total									0	29	3,432
3	Equipment											
	Pontoon 100t	day	1					4200	0	4,200	0	4,200
	Sub Total									4,200	0	4,200
	Total									4,200	29	7,632

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B02 and 2C02
 Crawler crane 16t per day

FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labour		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr.	80.00	0	0.33					0	26	3,168
	Others	L.S.	1	0	0.00					0	0	0
	Sub Total									0	26	3,168
2	Labour											
	Operator	man.day	1			0	33.00			0	33	3,960
	Others	L.S.	1			0	0.00			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Crawler crane 16t	day	1					8640	0	8,640	0	8,640
	Sub Total									8,640	0	8,640
	Total									8,640	59	15,768

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

2B02-3
 2C02-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B03 and 2C03
 Tug boat 450PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	378	0	0.33					0	125	14,969
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	130	15,569
2	Labor											
	High Class Crew	manday	0			45000	0			0	0	0
	Middle Class Crew	manday	1			0	100			0	100	12,000
	Low Class Crew	manday	2			0	33			0	66	7,920
	Sub Total									0	166	19,920
3	Equipment											
	Tug boat 450PS	dayunit	1					19,320	0	19,320	0	19,320
	Sub Total									19,320	0	19,320
	Total									19,320	296	54,809

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B03 and 2C03
 Pontoon 500t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
2	Labor											
	High Class Crew	manday	0		45000	0				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									0	66	7,920
3	Equipment											
	Pontoon 500t	dayunit	1					14,400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

2B03-2
 2C03-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B03 and 2C03
 Backhoe 1.2m³ per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	538	0	0.33					0	178	21,305
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	180	21,545
2	Labor											
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			0	33			0	33	3,960
	Low Class Operator	manday	0			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Backhoe 1.2m ³	dayunit	1					15,240	0	15,240	0	15,240
	Sub Total									15,240	0	15,240
	Total									15,240	213	40,745

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B03 and 2C03

UNIT
 FC: YEN
 LC: US\$

Working boat 100PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	ir	168	0	0.33					0	55	6653
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	60	7,253
2	Labor											
	High Class Crew	manday	0			45000	0			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									0	66	7,920
3	Equipment											
	Tug boat 450PS	dayunit	1					3,480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	126	18,653

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

2B03-4
 2C03-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0401
 Floating Dock 6000t per day

UNIT
 FC: YEN
 LC: US\$

US4=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	315	0	0.330					0	104	12,474
	Others	L.S.	1	0	6.00					0	6	720
	Sub Total									0	110	13,194
2	Labor											
	High class crew	man.day	2			45000	0.00			90000	0	90,000
	Middle class crew	man.day	2			12000	0.00			24000	0	24,000
	Low class crew	man.day	2			0	33.00			0	66	7,920
	Sub Total									114000	66	121,920
3	Equipment											
	Floating dock 6000t	day	1					367800	0	367,800	0	367,800
	Sub Total									367,800	0	367,800
	Total									481,800	176	502,914

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0401
 Pontoon 1000t per day

UNIT
 FC: YEN
 LC: US\$

US4=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	0	0	0.330					0	0	0
	Others	L.S.	1	0	6.00					0	6	720
	Sub Total									0	6	720
2	Labor											
	High class crew	man.day	0			45000	0.00			0	0	0
	Middle class crew	man.day	0			12000	0.00			0	0	0
	Low class crew	man.day	2			0	33.00			0	66	7,920
	Sub Total									0	66	7,920
3	Equipment											
	Floating dock 6000t	day	1					25080	0	25,080	0	25,080
	Sub Total									25,080	0	25,080
	Total									25,080	72	33,720

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0402 and 2C0402
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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											
	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
3	Equipment											
	Generator 45KVA	day	1					960	0	960	0	960
	Sub Total									960	0	960
	Total									960	53	7,378

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0402 and 2C0402
 Truck crane 30t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	192	0	0.330					0	63	7,603
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	65	7,843
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
3	Equipment											
	Truck crane 30t	day	1					16200	0	16,200	0	16,200
	Sub Total									16,200	0	16,200
	Total									16,200	98	28,003

Fuel & Lubricant: 286PS x 0.11 x 2 x 1.05
 150PS x 0.2 x 4 x 1.05

2B0402-2
 2C0402-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0402 and 2C0402
 Truck 8t with crane /day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	124	0	0.330					0	41	4,910
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	41	4,910
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
3	Equipment											
	Truck 8t with crane	day	1					5,520	0	5,520	0	5,520
	Sub Total									5,520	0	5,520
	Total									5,520	74	14,390

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0402 and 2C0402
 Pontoon 500t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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											
	Low class crew	man.day	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	66	7,920
3	Equipment											
	Pontoon 500t	day	1					14400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

2B0402-4
 2C0402-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0402 and 2C0402
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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			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					11760	0	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 4H x 1.05

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0403 and 2C0403
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	134	0	0.330					0	44	5,306
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	45	5,426
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
3	Equipment											
	Generator 100KVA	day	1					1800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									1,800	78	11,186

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

2B0403-1
 2C0403-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0403 and 2C0403
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	95	0	0.330					0	31	3,762
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	31	3,762
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
3	Equipment											
	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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0403 and 2C0403
 Trailer 28t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	148	0	0.330					0	49	5,861
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	49	5,861
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
3	Equipment											
	Trailer 28t	day	1					8760	0	8,760	0	8,760
	Sub Total									8,760	0	8,760
	Total									8,760	82	18,581

Fuel & Lubricant 320PS x 0.11 x 4 x 1.05

2B0403-3
 2C0403-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0403 and 2C0403
 Pontoon 500t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0.319					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
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									0	66	7,920
3	Equipment											
	Pontoon 500t	day	1					14400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0403 and 2C0403
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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			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					11760	0	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 4H x 1.05

2B0403-5
 2C0403-5

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0404 and 2C0404
 Concrete pump 45m³/h per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	66	7,920
3	Equipment											
	Concrete pump 45m ³ /h	day	1					9120	0	9,120	0	9,120
	Sub Total									9,120	0	9,120
	Total									9,120	66	17,040

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0404 and 2C0404
 Truck mixer 4.5m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	161	0	0.330					0	53	6,376
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	53	6,376
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
3	Equipment											
	Truck mixer 4.5m3	day	1					5280	0	5,280	0	5,280
	Sub Total									5,280	0	5,280
	Total									5,280	86	15,616

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

2B0404-2
 2C0404-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0404 and 2C0404
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	95	0	0.330					0	31	3,762
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	31	3,762
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
3	Equipment											
	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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B0404 and 2C0404
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	134	0	0.330					0	44	5,306
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	44	5,306
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
3	Equipment											
	Generator 100KVA	day	1					1800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									1,800	77	11,066

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

2B0404-4
 2C0404-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B05 and 2C05
 Floating Dock 6000t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	315	0	0.330					0	104	12,474
	Others	L.S.	1	0	6.00					0	6	720
	Sub Total									0	110	13,194
2	Labor											
	High class crew	man.day	2			45000	0.00			90000	0	90,000
	Middle class crew	man.day	2			12000	0.00			24000	0	24,000
	Low class crew	man.day	2			0	33.00			0	66	7,920
	Sub Total									114000	66	121,920
3	Equipment											
	Floating dock 6000t	day	1					367800	0	367,800	0	367,800
	Sub Total									367,800	0	367,800
	Total									481,800	176	502,914

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B05 and 2C05
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	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									12000	66	19,920
3	Equipment											
	Tug boat 250PS	day	1					11760	0	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

2B05-2
 2C05-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B05 and 2C05
 Anchor boat 400PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	336	0	0.330					0	111	13,306
	Others	L.S.	1	0	9					0	9	1,080
	Sub Total									0	120	14,386
2	Labor											
	Middle class crew	man.day	2			12000	0.00			24000	0	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
3	Equipment											
	Anchor boat 400PS	day	1					91200	0	91,200	0	91,200
	Sub Total									91,200	0	91,200
	Total									115,200	186	129,772

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B05 and 2C05
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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
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
3	Equipment											
	Generator 100KVA	day	1					1800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									1,800	78	11,186

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

2B05-4
 2C05-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B06 and 2C06
 Pontoon 1000t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	0	0	0.330					0	0	0
	Others	L.S.	1	0	0.00					0	0	0
	Sub Total									0	0	0
2	Labor											
	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									0	66	7,920
3	Equipment											
	Pontoon 1000t	day	1					25080	0	25,080	0	25,080
	Sub Total									25,080	0	25,080
	Total									25,080	66	33,000

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B06 and 2C06
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	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
	Sub Total									12000	66	19,920
3	Equipment											
	Tug boat 250PS	day	1					11760	0	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

2B06-2
 2C06-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B06 and 2C06
 Anchor boat 400PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	336	0	0.330					0	111	13,306
	Others	L.S.	1	0	9					0	9	1,080
	Sub Total									0	120	14,386
2	Labor											
	Middle class crew	man.day	2			12000	0.00			24000	0	24,000
	Low class crew	man.day	2			0	33.00			0	66	7,920
	Sub Total									24000	66	31,920
3	Equipment											
	Anchor boat 400PS	day	1					91200	0	91,200	0	91,200
	Sub Total									91,200	0	91,200
	Total									115,200	186	137,506

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

2B06-3
 2C06-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B06 and 2C06
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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
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
3	Equipment											
	Generator 100KVA	day	1					1800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									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. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT
2B07 and 2C07

Self-propelled Hopper Barge 850m³, 3t per day

UNIT
FC: YEN
LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Labricant	lr	1806	0	0.330					0	596	71,518
	Others	L.S.	1	0	24					0	24	2,880
	Sub Total									0	620	74,398
2	Labor											
	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			0	33.00			0	132	15,840
	Sub Total									93000	132	108,840
3	Equipment											
	Self-propelled Hopper 850	day	1					288720	0	288,720	0	288,720
	Sub Total									288,720	0	288,720
	Total									381,720	752	471,958

Fuel & Lubricant: 1500PS x 0.2 x 2 x 1.05
400PS x 0.2 x 14 x 1.05

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B08 and 2C08
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	63	17,016

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

2B08-1
 2C08-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B08 and 2C08
 Generator 125KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	133.00	0	0.330					0	44	5,267
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	45	5,387
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	man.day				0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	day	1					2280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	78	11,627

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B08 and 2C08
 Concrete pump 45m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	man.day	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Concrete pump 45m3	day	1					9,120	0	9,120	0	9,120
	Sub Total									9,120	0	9,120
	Total									9,120	33	13,080

Fuel & Lubricant:

2B08-3
 2C08-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B09 and 2C09
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	63	17,016

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

2B09-1
 2C09-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B09 and 2C09
 Generator 125KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	133.00	0	0.330					0	44	5,267
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	45	5,387
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	man.day				0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	day	1					2280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	78	11,627

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

2B09-2
 2C09-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B09 and 2C09
 Concrete pump 45m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	man.day	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Concrete pump 45m3	day	1					9120	0	9,120	0	9,120
	Sub Total									9,120	0	9,120
	Total									9,120	33	13,080

Fuel & Lubricant:

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B10 and 2C10
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
Total										9,480	63	17,016

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

2B10-1
 2C10-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B10 and 2C10
 Generator 125KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	133.00	0	0.330					0	44	5,267
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	45	5,387
2	Labor											
	Operator	man.day	1			0	33			0	33	3,960
	Others	man.day				0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Generator 45KVA	day	1					2280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	78	11,627

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B10 and 2C10
 Concrete pump 45m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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			0	33			0	33	3,960
	Others	man.day	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Concrete pump 45m3	day	1					9120	0	9,120	0	9,120
	Sub Total									9,120	0	9,120
	Total									9,120	33	13,080

Fuel & Lubricant:

2B10-3
 2C10-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B11 and 2C11
 Crawler crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	80	0	0.330					0	26	3,168
	Others	L.S.	1	0	4.00					0	4	480
	Sub Total									0	30	3,648
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
3	Equipment											
	Crawler crane 16t	day	1					8640	0	8,640	0	8,640
	Sub Total									8,640	0	8,640
	Total									8,640	63	16,248

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B11 and 2C11
 Tug boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	420	0	0.330					0	139	16,632
	Others	L.S.	1	0	1.00					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									0	166	12,264
3	Equipment											
	Tug boat 250PS	day	1					11760	0	11,760	0	11,760
	Sub Total									11,760	0	11,760
	Total									11,760	306	40,776

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

2B11-2
 2C11-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B12 and 2C12
 Tug boat 450PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	378	0	0.330					0	125	14969
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	130	15,569
2	Labor											
	High Class Crew	manday	0			45000	0			0	0	0
	Middle Class Crew	manday	1			0	100			0	100	12,000
	Low Class Crew	manday	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	166	19,920
3	Equipment											
	Tug boat 450PS	dayunit	1					19,320	0	19,320	0	19,320
	Sub Total									19,320	0	19,320
	Total									19,320	296	54,809

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

2B12-1
 2C12-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B12 and 2C12
 Pontoon 500t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	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											
	High Class Crew	manday	0			45000	0			0	0	0
	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
3	Equipment											
	Pontoon 500t	dayunit	1					14,400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

2B12-2
 2C12-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B12 and 2C12
 Backhoe 1.2m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	538	0	0.330					0	178	21305
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	180	21,545
2	Labor											
	High Class Operator	manday	0			0	0			0	0	0
	Middle Class Operator	manday	1			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									0	33	3,960
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

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B12 and 2C12

UNIT
 FC: YEN
 LC: US\$

Working boat 100PS per day

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	168	0	0.330					0	55	6653
	Others	L.S.	1	0	5					0	5	600
	Sub Total									0	60	7,253
2	Labor											
	High Class Crew	manday	0			45000	0			0	0	0
	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
3	Equipment											
	Tug boat 450PS	dayunit	1					3,480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	126	18,653

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

2B12-4
 2C12-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Pile Driving Barge D-72, 60m per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	693	0	0.33					0	229	27,443
	Others	L.S.	1	0	11					0	11	1,320
	Sub Total									0	240	28,763
2	Labor											
	High Class Crew	man.day	1			45000	0			45000	0	45,000
	Middle Class Crew	man.day	2			12000	0			24000	0	24,000
	Low Class Crew	man.day	6			0	33			0	198	23,760
	Others	L.S.	1			0	0			0	0	0
	Sub Total									69000	198	92,760
3	Equipment											
	Pile Driving barge D-72	day.unit	1					266,160	0	266,160	0	266,160
	Sub Total									266,160	0	266,160
	Total									335,160	438	387,683

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Tug Boat 250PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	210	0	0.33					0	69	8,316
	Others	LS.	1	0	1					0	1	120
	Sub Total									0	70	8,436
2	Labor											
	High Class Crew	man.day	0			45000	0			0	0	0
	Middle Class Crew	man.day	1			12000	0			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									12000	66	19,920
3	Equipment											
	Tug boat 250PS	day.unit	1					11,760	0	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 4H x 1.05

2B13-2
 2C13-2

APPENDIX-3. EQUIPMENT COST
LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
Anchor Boat 180PS per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr.	37	0	0.330					0	12	1,465
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	12	1,465
2	Labor											
	High Class Crew	man.day	0			0	0			0	0	0
	Middle Class Crew	man.day	1			0	100			0	100	12,000
	Low Class Crew	man.day	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	166	19,920
3	Equipment											
	Anchor boat 180PS	day.unit	1					49,800	0	49,800	0	49,800
	Sub Total									49,800	0	49,800
	Total									49,800	178	71,185

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Pontoon 1000ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0.319					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
2	Labor											
	Low Class Crew	man.day	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	66	7,920
3	Equipment											
	Pontoon 1000PS	day.unit	1					25,080	0	25,080	0	25,080
	Sub Total									25,080	0	25,080
	Total									25,080	66	33,000

2B13-4
 2C13-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Pontoon 500ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0.33					0	0	0
	Others	L.S.	1	0	0					0	0	0
	Sub Total									0	0	0
2	Labor											
	Low Class Crew	man.day	2			0	33			0	66	7,920
	Others	L.S.	1			0	0			0	0	0
	Sub Total									0	66	7,920
3	Equipment											
	Pontoon 500PS	day.unit	1					14,400	0	14,400	0	14,400
	Sub Total									14,400	0	14,400
	Total									14,400	66	22,320

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Crawler crane 50ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	189	0	0.33					0	62	7,484
	Others	L.S.	1	0	8					0	8	960
	Sub Total									0	70	8,444
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
3	Equipment											
	Crawler crane 50t	day.unit	1					22,320	0	22,320	0	22,320
	Sub Total									22,320	0	22,320
	Total									22,320	103	34,724

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

2B13-6
 2C13-6

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Crawler crane 30ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	158	0	0.33					0	52	6,257
	Others	L.S.	1	0	8					0	8	960
	Sub Total									0	60	7,217
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
3	Equipment											
	Crawler crane 30t	day.unit	1					13,440	0	13,440	0	13,440
	Sub Total									13,440	0	13,440
	Total									13,440	93	24,617

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Truck crane 25ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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											
	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
3	Equipment											
	Truck crane 25t	day.unit	1					12,960	0	12,960	0	12,960
	Sub Total									12,960	0	12,960
	Total									12,960	103	25,356

Fuel & Lubricant: 274PS x 0.11 x 2 x 1.05
 140PS x 0.2 x 5 x 1.05

2B13-08
 2C13-08

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Trailer 28ton per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	148	0	0.33					0	49	5,861
	Others	L.S.	1	0	1					0	1	120
	Sub Total									0	50	5,981
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
3	Equipment											
	Trailer 28t	day.unit	1					8,760	0	8,760	0	8,760
	Sub Total									8,760	0	8,760
	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
 Generator 100KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	126	0	0.33					0	42	4,990
	Others	L.S.	1	0	8					0	8	960
	Sub Total									0	50	5,950
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
3	Equipment											
	Generator 100KVA	day.unit	1					1,800	0	1,800	0	1,800
	Sub Total									1,800	0	1,800
	Total									1,800	83	11,710

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

2B13-10
 2C13-10

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B13 and 2C13
 Generator 45KVA and day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Unit Cost						Cost per day		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	56	0	0.33					0	18	2,218
	Others	L.S.	1	0	2					0	2	240
	Sub Total									0	20	2,458
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
3	Equipment											
	Generator 45KVA	day.unit	1					1,080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	53	7,498

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B14 and 2C14
 Generator 125KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	199	0	0.319					0	63	7,618
	Others											
	Sub Total									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
3	Equipment											
	Generator 125KVA	day	1					2,280	0	2,280	0	2,280
	Sub Total									2,280	0	2,280
	Total									2,280	96	13,858

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

2B14-1
 2C14-1

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B14 and 2C14
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	112	0	0.319					0	36	4,287
	Others	L.S.	1									
	Sub Total									0	36	4,287
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
3	Equipment											
	Crawler crane 50t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	69	17,727

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B14 and 2C14
 Concrete Pump 45m3 per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	0	0	0.319					0	0	0
	Others											
	Sub Total									0	0	0
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
3	Equipment											
	Concrete Pump 45m3	day	1					9120	0	9,120	0	9,120
	Sub Total									9,120	0	9,120
	Total									9,120	33	13,080

2B14-3
 2C14-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B15 and 2C15
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	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	1			0	0			0	0	0
	Sub Total									0	33	3,960
3	Equipment											
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	63	17,016

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B15 and 2C15
 Truck 8t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

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

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

2B15-2
 2C15-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B15 and 2C15
 Trailer 20t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	148	0	0.330					0	49	5,861
	Others	L.S.	1	0	1					0	1	0
	Sub Total									0	50	5,861
2	Labor											
	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											
	Trailer 20t	day	1					7320	0	7,320	0	7,320
	Sub Total									7,320	0	7,320
	Total									7,320	83	17,141

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

2B15-3
 2C15-3

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B15 and 2C15
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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											
	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											
	Generator 45KVA	day	1					1080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	53	7,498

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

2B15-4
 2C15-4

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B16
 Generator 45KVA per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
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									0	20	2,458
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
3	Equipment											
	Generator 45KVA	day	1					1080	0	1,080	0	1,080
	Sub Total									1,080	0	1,080
	Total									1,080	53	7,498

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

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B16 and 2C16
 Truck 8t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	175	0	0.330					0	58	6,930
	Others	L.S.	1	0	2.00					0	2	240
	Sub Total									0	60	7,170
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
3	Equipment											
	Truck 8t	day	1					3480	0	3,480	0	3,480
	Sub Total									3,480	0	3,480
	Total									3,480	93	14,610

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

2B16-2
 2C16-2

APPENDIX-3. EQUIPMENT COST
 LA UNION PORT DEVELOPMENT PROJECT
 2B16 and 2C16
 Truck crane 16t per day

UNIT
 FC: YEN
 LC: US\$

US\$=¥120

No	Work Item	Unit	Quantity	Basic Price						Unit Cost		Total in YEN
				Material		Labor		Equipment		Amount		
				FC	LC	FC	LC	FC	LC	FC	LC	
1	Material											
	Fuel & Lubricant	lr	190	0	0.330					0	63	7,524
	Others	L.S.	1	0	2.00					0	2	240
	Sub Total									0	65	7,764
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
3	Equipment											
	Truck crane 16t	day	1					9480	0	9,480	0	9,480
	Sub Total									9,480	0	9,480
	Total									9,480	98	21,204

Fuel & Lubricant: 230PS x 0.11 x 4 x 1.05
 100PS x 0.2 x 4 x 1.05

2B16-3
 2C16-3