

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN  
ON  
PORT REACTIVATION PROJECT IN LA UNION PROVINCE  
OF  
THE REPUBLIC OF EL SALVADOR

FINAL REPORT

COST ESTIMATE REPORT

Utility Works

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OCTOBER 2002

NIPPON KOEI CO., LTD.

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OF THE REPUBLIC OF EL SALVADOR

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***FINAL REPORT***

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**OCTOBER 2002**

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# **COST ESTIMATION REPORT**

## **THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR**

### **UTILITY WORK**

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## 1. General

### 1.1 Basis of Cost Estimation

#### 1.1.1 General

This report presents the Project cost estimate. The unit rates and prices for labor, materials, plant and equipment used in the cost estimation are based on the current price level as of July 2002.

#### 1.1.2 Conditions for Cost Estimation

##### (1) Exchange Rate

The exchange rate used in the estimation of the Project cost is  
US\$ 1= ¥ 120.00 and US\$ 1= ¢ 8.75

##### (2) Local Currency Portion

The local currency portion includes the following items:

- a) The cost of local materials, equipment and labor for both the permanent and temporary work of the Project;
- b) The cost of local transportation, custom clearance, dealer's commissions, handling charges of agent, temporary storage, etc for imported materials and equipment; and
- c) The Contractor's overhead and profit.

##### (3) Foreign Currency Portion

The foreign currency portion includes the following items:

- a) The cost of imported materials, equipment and foreign expatriates.
- b) The cost of overseas transportation of imported materials and equipment (dealer's commissions, handling charges, etc.)
- c) The Contractor's overhead and profit.

##### (4) Taxes

The value added tax (IVA) and the municipal tax imposed in accordance with the laws and regulations of the Government of the Republic of El Salvador are not included in the Project cost estimate.

### 1.1.3 Unit Rates

The availability and cost of local materials and labor at site such as stone, gravel, reclamation material, cement, skilled and skilled workers are investigated through interviews and queries from local suppliers as well as authorities concerned.

### 1.1.4 Reference Information

In preparing the unit rate analysis, the estimated costs or unit rates applied to the projects being implemented in the country and current prices of international contracts are considered as reference prices in the estimate

## 2. BASIC DATA FOR UNIT COST ANALYSIS

Based upon the collected data and with reference to the current costs and prices, basic data for cost estimate have been set down as summarized below for the cost estimators in each section of the works in order to maintain consistency in estimation throughout.

### 2.1 Labor Wages

Please refer to Appendix 1.

### 2.2 Basic Construction Material Costs

Please refer to Appendix 2.

### 2.3 Construction Machine Operation Cost

Please refer to Appendix 3.

### 2.4 Indirect and Overhead Ratios

Description	Indirect and Overhead
Utilities	15%

### **3. COST ESTIMATION FOR BILL ITEMS**





LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4A</b>	<b>FIRE FIGHTING SYSTEM</b>							
4A01	PIPE WORK							
4C0101	Galvanized Iron Pipe, Diameter 63 mm	m	3.00	0.00	0.00	14.48	43.44	5,212.26
4C0102	Galvanized Iron Pipe, Diameter 75 mm	m	30.00	0.00	0.00	18.38	551.31	66,157.20
4A02	OUTDOOR HYDRAULIC FIRE FIGHTING EQUIPMENT							
4A0201	Gate Valve, Cast Iron, Flanged, 75 mm	nos.	5.00	0.00	0.00	227.66	1,138.30	136,596.00
4A0202	Angle Valve, Bronze, Threaded, 63 mm	nos.	28.00	0.00	0.00	440.00	12,320.00	1,478,400.00
4A0203	Meter, Cast Iron, Flanged, 63 mm	nos.	4.00	0.00	0.00	316.25	1,265.00	151,800.00
4A0204	Fire Monitor, Bronze, Flanged, 75 mm	nos.	5.00	0.00	0.00	3,300.00	16,500.00	1,980,000.00
4A0205	Standing Hydrant	nos.	6.00	0.00	0.00	1,850.00	11,100.00	1,332,000.00
4A03	INDOOR HYDRANTS	nos.	6.00	0.00	0.00	1,990.00	11,940.00	1,432,800.00
4A04	FIRE STATIONS	nos.	7.00	0.00	0.00	9,411.00	65,877.00	7,905,240.00
4A05	STATIONARY FIRE PUMP	no.	1.00	0.00	0.00	2,600.00	2,600.00	312,000.00
4A06	MOBILE FIRE PUMP	no.	1.00	0.00	0.00	163,000.00	163,000.00	19,560,000.00
4A07	FIRE EXTINGUISHERS							
4A0701	AFFF Foam Extinguisher, 6 liters	nos.	17.00	0.00	0.00	160.00	2,720.00	326,400.00
4A0702	CO2 Extinguisher, 4.5 Kg	nos.	40.00	0.00	0.00	217.00	8,680.00	1,041,600.00
4A0703	CO2 Extinguisher, 7 Kg	nos.	5.00	0.00	0.00	350.00	1,750.00	210,000.00
4A0704	Dry Chemical Multi Purpose Extinguisher, 4.5 Kg	nos.	24.00	0.00	0.00	85.00	2,040.00	244,800.00
4A0705	Dry Chemical Multi Purpose Extinguisher, 9 Kg	nos.	30.00	0.00	0.00	140.00	4,200.00	504,000.00
4A0706	Dry Chemical Multi Purpose Wheeled Extinguisher, 56.7 Kg	nos.	7.00	0.00	0.00	2,300.00	16,100.00	1,932,000.00
4A0707	Wet Chemical Class K Extinguisher	nos.	6.00	0.00	0.00	190.00	1,140.00	136,800.00
Sub Total for This Page								38,755,805.46

## LA UNION PORT DEVELOPMENT PROJECT

## Bill No 400A FIRE FIGHTING SYSTEM

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4A FIRE FIGHTING SYSTEM</b>								
4A08	PITS							
4A0801	Type 1A	nos.	7.00	1,118.00	7,826.00	455.51	3,188.57	390,454.40
4A0802	Type 1B	nos.	2.00	5,546.00	11,092.00	781.65	1,563.30	198,688.00
4A0803	Type 2A	nos.	15.00	3,185.00	47,775.00	431.56	6,473.40	824,583.00
4A0804	Type 2B	nos.	9.00	3,185.00	28,665.00	380.04	3,420.36	439,108.20
Sub Total for This Page								1,852,833.60
Total for Bill No. 4A								40,608,639.06

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4B WATER SUPPLY SYSTEM</b>								
4B01	PIPE WORK							
4B0101	PVC pipe, diameter 12 mm	m	322.80	0.00	0.00	1.60	516.48	61,977.60
4B0102	PVC pipe, diameter 18 mm	m	175.90	0.00	0.00	1.94	341.25	40,949.52
4B0103	PVC pipe, diameter 25 mm	m	412.40	0.00	0.00	1.89	779.44	93,532.32
4B0104	PVC pipe, diameter 31 mm	m	15.20	0.00	0.00	3.04	46.21	5,544.96
4B0105	PVC pipe, diameter 38 mm	m	118.60	0.00	0.00	3.94	467.28	56,074.08
4B0106	PVC pipe, diameter 50 mm	m	56.60	0.00	0.00	3.85	217.91	26,149.20
4B0107	PVC pipe, diameter 75 mm	m	37.60	0.00	0.00	8.32	312.83	37,539.84
4B0108	PVC pipe, diameter 100 mm	m	123.42	0.00	0.00	13.32	1,643.95	197,274.53
4B0109	PVC pipe, diameter 150 mm	m	2979.27	0.00	0.00	23.92	71,264.14	8,551,696.61
4B0110	PVC pipe, diameter 200 mm	m	50.39	0.00	0.00	49.98	2,518.49	302,219.06
4B0111	Ductile Iron pipe, diameter 63 mm	m	30.20	0.00	0.00	14.48	437.25	52,470.08
4B0112	Ductile Iron pipe, diameter 75 mm	m	26.00	0.00	0.00	18.38	477.80	57,336.24
4B0113	Ductile Iron pipe, diameter 100 mm	m	27.60	0.00	0.00	57.78	1,594.73	191,367.36
4B0114	Ductile Iron pipe, diameter 150 mm	m	555.00	0.00	0.00	63.02	34,976.10	4,197,132.00
4B0115	Ductile Iron pipe, diameter 300 mm	m	976.00	0.00	0.00	94.51	92,241.76	11,069,011.20
4B02	VALVES AND METERS							
4B0201	Gate Valve, Bronze, threaded, diameter 25 mm	nos.	15.00	0.00	0.00	29.24	438.67	52,640.10
4B0202	Gate Valve, Bronze, threaded, diameter 31 mm	nos.	2.00	0.00	0.00	37.63	75.26	9,031.20
4B0203	Gate Valve, Bronze, threaded, diameter 38 mm	nos.	6.00	0.00	0.00	46.73	280.38	33,645.60
4B0204	Gate Valve, Bronze, threaded, diameter 50 mm	nos.	7.00	0.00	0.00	38.33	268.31	32,197.20
4B0205	Gate Valve, Bronze, threaded, diameter 75 mm	no.	1.00	0.00	0.00	145.70	145.70	17,484.00
4B0206	Gate Valve, Cast Iron, flanged, diameter 100 mm	nos.	2.00	0.00	0.00	340.32	680.64	81,676.80
4B0207	Gate Valve, Cast Iron, flanged, diameter 150 mm	nos.	26.00	0.00	0.00	607.23	15,787.98	1,894,557.60
Sub Total for This Page								27,061,507.10

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4B Water Supply System</b>								
4B02	<b>VALVES AND METERS</b>							
4B0208	Gate Valve, Cast Iron, Flanged. Diameter 300 mm	nos.	3.00	0.00	0.00	1,732.00	5,196.00	623,520.00
4B0209	Swing Check Valve, Diameter 50 mm	nos.	3.00	0.00	0.00	119.63	358.90	43,068.42
4B0210	Swing Check Valve, Diameter 63 mm	nos.	3.00	0.00	0.00	299.81	899.42	107,929.80
4B0211	Air Release Valve, Diameter 50 mm	no.	1.00	0.00	0.00	263.33	263.33	31,599.60
4B0212	Float Operated Valve, Diameter 50 mm	no.	1.00	0.00	0.00	110.65	110.65	13,278.00
4B0213	Meter, Ductile Iron, Diameter 38 mm	nos.	6.00	0.00	0.00	228.00	1,368.00	164,160.00
4B0214	Meter, Ductile Iron, Diameter 75 mm	no.	1.00	0.00	0.00	302.28	302.28	36,273.60
4B03	<b>PITS AND MANHOLES</b>							
4B0301	Type 3	nos.	7.00	885.00	6,195.00	172.22	1,205.54	150,859.80
4B0302	Type 4	nos.	7.00	2,111.00	14,777.00	180.34	1,262.38	166,262.60
4B0303	Type 5A	nos.	7.00	4,584.00	32,088.00	540.07	3,780.49	485,746.80
4B0304	Type 5B	nos.	13.00	4,584.00	59,592.00	488.55	6,351.15	821,730.00
4B04	<b>WATER STORAGE TANKS</b>	LS	1.00	0.00	0.00	130,830.00	130,830.00	15,699,600.00
4B05	<b>WATER PURIFICATION SYSTEM</b>	LS	1.00	0.00	0.00	144,000.00	144,000.00	17,280,000.00
4B06	<b>SERVICE HOUSE AND EXTERIOR WORKS</b>							
4B0601	Service House	LS	1.00	0.00	0.00	7,500.00	7,500.00	900,000.00
4B0602	Exterior Works	LS	1.00	0.00	0.00	128,653.55	128,653.55	15,438,426.00
Sub Total for This Page								51,962,454.62
Total for Bill No 4B01								79,023,961.72

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
				<b>4C WASTEWATER SYSTEM</b>				
4C01	PIPE WORK							
4C0101	PVC Pipe, Diameter 50 mm	m	379.65	0.00	0.00	2.88	1,093.39	131,207.04
4C0102	PVC Pipe, Diameter 63 mm	m	222.10	0.00	0.00	5.11	1,134.93	136,191.72
4C0103	PVC Pipe, Diameter 75 mm	m	302.65	0.00	0.00	5.23	1,582.86	189,943.14
4C0104	PVC Pipe, Diameter 100 mm	m	149.60	0.00	0.00	7.54	1,127.98	135,358.08
4C0105	PVC Pipe, Diameter 150 mm	m	363.94	0.00	0.00	17.55	6,387.15	766,457.64
4C0106	PVC Pipe, Diameter 200 mm	m	23.50	0.00	0.00	27.98	657.53	78,903.60
4C0107	PVC Pipe, Diameter 300 mm	m	144.55	0.00	0.00	65.87	9,521.51	1,142,581.02
4C0108	PVC Pipe, Diameter 400 mm	m	185.00	0.00	0.00	105.36	19,491.60	2,338,992.00
4C02	MANHOLES AND GREASE TRAPS							
4C0201	Manhole	nos.	16.00	8,418.00	134,688.00	795.05	12,720.80	1,661,184.00
4C0202	Grease Trap	nos.	2.00	2,934.00	5,868.00	334.89	669.78	86,241.60
4C03	CATCH BASINS							
4C0301	Catch Basin	nos.	6.00	5,460.00	32,760.00	611.68	3,670.08	473,169.60
4C04	OIL/WATER SEPARATORS							
4C0401	Oil/Water Separator - 1 (M&R Shop)	nos.	1.00	248,799.00	248,799.00	18,363.59	18,363.59	2,452,429.80
4C0402	Oil/Water Separator - 2 (Route-A)	nos.	1.00	2,212,997.00	2,212,997.00	43,540.11	43,540.11	7,437,810.20
4C0403	Oil/Water Separator - 3 (Route-B)	nos.	1.00	2,275,580.00	2,275,580.00	49,385.42	49,385.42	8,201,830.40
4C0404	Oil/Water Separator - 4 (Route-C)	nos.	1.00	2,275,580.00	2,275,580.00	51,095.74	51,095.74	8,407,068.80
4C0405	Oil/Water Separator - 5 (Route-D)	nos.	1.00	2,159,729.00	2,159,729.00	46,607.80	46,607.80	7,752,665.00
4C05	WASTEWATER TREATMENT FACILITIES							
4C0501	Wastewater Treatment Facility N°1	LS	1.00	0.00	0.00	90,500.00	90,500.00	10,860,000.00
4C0502	Wastewater Treatment Facility N°2	LS	1.00	0.00	0.00	45,300.00	45,300.00	5,436,000.00
Sub Total for This Page								57,688,033.64
Total for Bill No 4C01								57,688,033.64

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (Yen)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4D01 ADMINISTRATION BUILDING</b>								
4D0101	60 Ton Chiller	set	2.00	0.00	0.00	35,000.00	70,000.00	8,400,000.00
4D0102	Air Handling Unit 8 Ton	set	1.00	0.00	0.00	3,250.00	3,250.00	390,000.00
4D0103	Air Handling Unit 12 Ton	set	1.00	0.00	0.00	3,458.00	3,458.00	414,960.00
4D0104	Air Handling Unit 14 Ton	set	2.00	0.00	0.00	4,264.00	8,528.00	1,023,360.00
4D0105	Fan Coil Unit 1 Ton	set	56.00	0.00	0.00	546.00	30,576.00	3,669,120.00
4D0106	Water Pumps	set	2.00	0.00	0.00	4,550.00	9,100.00	1,092,000.00
4D0107	Ductwork And Accessories	LS	1.00	0.00	0.00	50,000.00	50,000.00	6,000,000.00
4D0108	Pipping And Accessories	LS	1.00	0.00	0.00	35,000.00	35,000.00	4,200,000.00
4D0109	Exhaust Fan 165 CFM And Accessories	set	1.00	0.00	0.00	476.00	476.00	57,120.00
4D0110	Exhaust Fan 630 CFM And Accessories	set	8.00	0.00	0.00	748.00	5,984.00	718,080.00
4D0111	Exhaust Fan 820 CFM And Accessories	set	1.00	0.00	0.00	980.00	980.00	117,600.00
4D0112	Exhaust Fan 1,000 CFM And Accessories	set	2.00	0.00	0.00	1,085.00	2,170.00	260,400.00
4D0113	Labor Work	LS	1.00	0.00	0.00	50,000.00	50,000.00	6,000,000.00
<b>4D02 CONTAINER FREIGH STATION</b>								
4D0201	8.5 Kw Mini Split System	set	4.00	0.00	0.00	5,650.00	22,600.00	2,712,000.00
4D0202	Exhaust Fan 165 CMF And Accessories	set	1.00	0.00	0.00	2,500.00	2,500.00	300,000.00
4D0203	Exhaust Fan 630 CMF And Accessories	set	2.00	0.00	0.00	1,900.00	3,800.00	456,000.00
<b>4D03 MAINTENANCE AND REPAIR SHOP</b>								
4D0301	8.5 Kw Mini Split System	set	1.00	0.00	0.00	5,650.00	5,650.00	678,000.00
4D0302	7 Kw Mini Split System	set	2.00	0.00	0.00	4,560.00	9,120.00	1,094,400.00
4D0303	Exhaust Fan 630 CMF And Accessories	set	2.00	0.00	0.00	2,460.00	4,920.00	590,400.00
<b>4D04 CONTAINER GATE</b>								
4D0401	3.5 Kw Mini Split System	set	4.00	0.00	0.00	3,250.00	13,000.00	1,560,000.00
4D0402	2.625 Kw Mini Split System	set	6.00	0.00	0.00	2,590.00	15,540.00	1,864,800.00
<b>4D05 CARGO GATE</b>								
4D0501	3.5 Kw Mini Split System	set	4.00	0.00	0.00	3,250.00	13,000.00	1,560,000.00
4D0502	2.625 Kw Mini Split System	set	2.00	0.00	0.00	2,590.00	5,180.00	621,600.00
<b>4D06 POWER SUPPLY STATION</b>								
4D0601	Exhaust Fan 820 CFM And Accessories	set	4.00	0.00	0.00	1,890.00	7,560.00	907,200.00
4D0602	Exhaust Fan 1,000 CFM And Accessories	set	2.00	0.00	0.00	1,085.00	2,170.00	260,400.00
Grand Total of Section 4F								44,947,440.00
Total for Bill No. 4F01								44,947,440.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4E PLUMBING AND SANITARY APPLIANCES</b>								
4E01	<b>SANITARY APPLIANCES</b>							
4E0101	Water Closet, American Standard model "Hydra"	nos.	31.00	0.00	0.00	201.30	6,240.30	748,836.00
4E0102	Wash Basin, American Standard model "Saturno"	nos.	39.00	0.00	0.00	160.50	6,259.50	751,140.00
4E0103	Urinal, American Standard model "Artico"	nos.	21.00	0.00	0.00	453.90	9,531.90	1,143,828.00
4E0104	Metal Sink Type 1, stainless steel, one bowl-one drainboard	nos.	4.00	0.00	0.00	159.90	639.60	76,752.00
4E0105	Metal Sink Type 2, stainless steel, two bowls-two drainboards	no.	1.00	0.00	0.00	363.90	363.90	43,668.00
4E0106	Concrete Sink	no.	1.00	0.00	0.00	276.80	276.80	33,216.00
4E0107	Service Floor Sink	nos.	7.00	0.00	0.00	191.20	1,338.40	160,608.00
4E02	<b>PLUMBING ACCESSORIES</b>							
4E0201	Shower, chromium plated bronze head and gate valve	nos.	7.00	0.00	0.00	115.89	811.23	97,347.60
4E0202	Sanitary Cleanout, cast iron body, nickel plated bronze cover, 50mm	nos.	3.00	0.00	0.00	45.00	135.00	16,200.00
4E0203	Sanitary Cleanout, cast iron body, nickel plated bronze cover, 63mm	nos.	10.00	0.00	0.00	65.00	650.00	78,000.00
4E0204	Sanitary Cleanout, cast iron body, nickel plated bronze cover, 75mm	nos.	33.00	0.00	0.00	75.00	2,475.00	297,000.00
4E0205	Sanitary Cleanout, cast iron body, nickel plated bronze cover, 100 mm	nos.	6.00	0.00	0.00	100.00	600.00	72,000.00
4E0205	Shower Drain, cast iron body, nickel plated bronze grating, 50 mm	nos.	7.00	0.00	0.00	36.00	252.00	30,240.00
4E0206	Floor Drain, cast iron body, nickel plated bronze grating, 75 mm	nos.	21.00	0.00	0.00	98.00	2,058.00	246,960.00
4E03	<b>TOILET ACCESSORIES</b>							
4E0301	Shower Curtain Holder	nos.	7.00	0.00	0.00	15.00	105.00	12,600.00
4E0302	Toilet Tissue Dispenser	nos.	31.00	0.00	0.00	55.00	1,705.00	204,600.00
4E0303	Hand Drier, electrical, automatic	nos.	18.00	0.00	0.00	98.40	1,771.20	212,544.00
4E0304	Grab Bars, stainless steel	nos.	10.00	0.00	0.00	158.00	1,580.00	189,600.00
Sub Total for This Page								4,415,139.60
Total for Bill No 4E01								4,415,139.60

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (Yen)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4F TRANSMISSION LINE AND SUBSTATION</b>								
4F01	<b>46KV TRANSMISSION LINE</b> 46KV 3P Pole Mounted Section Switches x 1 Set KWH, KVAR Meter Including CT & PT x 1 Set 46KV Aerial Line Including Poles And Fittings x About 650 M	L.S.	1.00	0.00	0.00	133,000.00	133,000.00	15,960,000.00
4F02	<b>46KV SUBSTATION</b> 46KV Circuit Breaker x 1 Set 46KV Disconnecting Switches x 1 Set 46KV 1P Potential Transformers x 3 Set 46KV 1P Current Transformers x 3 Set 46KV 1P Arresters x 3 Set 46KV Outdoor Structure x 1 Unit 46/4.16KV, 3 Phase 60Hz 4,000KVA Transformer x 1 Set Neutral Grounding Transformer x 1 Set Grounding System x 1 Set	L.S.	1.00	0.00	0.00	442,920.00	442,920.00	53,150,400.00
Grand Total of Section 4F								69,110,400.00
Total for Bill No. 4F01								69,110,400.00



LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
				<b>4G EMERGENCY POWER GENERATION EQUIPMENT</b>				
4G01	Diesel Engine Generator (4.16KV, 60Hz, 1000KVA)	unit	2.00	0.00	0.00	250,000.00	500,000.00	60,000,000.00
4G02	Switchgear And Control Equipment (4.16 KV)	set	1.00	0.00	0.00	160,000.00	160,000.00	19,200,000.00
4G03	Fuel Tank, (8 M <sup>3</sup> Underground Type)	set	1.00	0.00	0.00	8,000.00	8,000.00	960,000.00
					0.00			
Sub Total for This Page								80,160,000.00
Total for Bill No. 4G01								80,160,000.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4H POWER DISTRIBUTION EQUIPMENT</b>								
4H01	<b>SWITCHGEAR CUBICLE</b>							
4H0101	4.16KV Switchgear Cubicle	unit	1.00	0.00	0.00	350,000.00	350,000.00	42,000,000.00
4H0102	480V Switchgear Cubicle	unit	1.00	0.00	0.00	210,000.00	210,000.00	25,200,000.00
4H0103	208-120V Switchgear Cubicle	unit	1.00	0.00	0.00	70,000.00	70,000.00	8,400,000.00
4H02	<b>DISTRIBUTION TRANSFORMER</b>							
4H0201	4.16/0.48KV 3 Phase 60 Hz 1,000KVA Transformer	set	2.00	0.00	0.00	22,480.00	44,960.00	5,395,200.00
4H0202	4.16/0.208-0.12KV 3 Phase, 4 Wire 60Hz 500KVA Transformer	set	1.00	0.00	0.00	13,200.00	13,200.00	1,584,000.00
4H03	<b>CONTROL SWITCHBOARD AND AUXILIARY</b>							
4H0301	Main Control Switchboard (Monitor Control Board)	panel	1.00	0.00	0.00	20,000.00	20,000.00	2,400,000.00
4H0302	AC Panel	panel	1.00	0.00	0.00	5,000.00	5,000.00	600,000.00
4H0303	DC Panel	panel	1.00	0.00	0.00	8,000.00	8,000.00	960,000.00
4H0304	Battery Charger	panel	1.00	0.00	0.00	6,000.00	6,000.00	720,000.00
4H0305	Battery	set	1.00	0.00	0.00	5,000.00	5,000.00	600,000.00
Sub Total for This Page								87,859,200.00
Total for Bill No. 4H01								87,859,200.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4I CABLING AND PIPING</b>								
4I01	<b>CABLING</b>							
4I0101	HV11 4.16KV XLPE/PVC Cu (1C x 400mm <sup>2</sup> )	m	60.00	0.00	0.00	155.00	9,300.00	1,116,000.00
4I0102	HV12 4.16KV XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	20.00	0.00	0.00	41.00	820.00	98,400.00
4I0103	HV13 4.16KV XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	25.00	0.00	0.00	41.00	1,025.00	123,000.00
4I0104	HV21 4.16KV XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	490.00	0.00	0.00	41.00	20,090.00	2,410,800.00
4I0105	HV22 4.16KV XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	490.00	0.00	0.00	41.00	20,090.00	2,410,800.00
4I0106	HV25 4.16KV XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	20.00	0.00	0.00	38.00	760.00	91,200.00
4I0107	HV26 4.16KV XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	20.00	0.00	0.00	38.00	760.00	91,200.00
4I0108	HV27 4.16KV XLPE/PVC Cu (3C x 22mm <sup>2</sup> )	m	20.00	0.00	0.00	20.00	400.00	48,000.00
4I0109	4.16 Cable Terminal For Above	set	20.00	0.00	0.00	300.00	6,000.00	720,000.00
4I0110	MV10 480V XLPE/PVC Cu (1C x 400mm <sup>2</sup> )	m	120.00	0.00	0.00	72.00	8,640.00	1,036,800.00
4I0111	MV11 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	710.00	0.00	0.00	17.00	12,070.00	1,448,400.00
4I0112	MV12 480V XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	460.00	0.00	0.00	14.00	6,440.00	772,800.00
4I0113	MV13 480V XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	585.00	0.00	0.00	14.00	8,190.00	982,800.00
4I0114	MV14 480V XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	545.00	0.00	0.00	14.00	7,630.00	915,600.00
4I0115	MV15 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	805.00	0.00	0.00	17.00	13,685.00	1,642,200.00
4I0116	MV16 480V XLPE/PVC Cu (3C x 38mm <sup>2</sup> )	m	575.00	0.00	0.00	8.00	4,600.00	552,000.00
4I0117	MV17 480V XLPE/PVC Cu (3C x 60mm <sup>2</sup> )	m	520.00	0.00	0.00	14.00	7,280.00	873,600.00
4I0118	MV18 480V XLPE/PVC Cu (3C x 22mm <sup>2</sup> )	m	415.00	0.00	0.00	6.00	2,490.00	298,800.00
4I0119	MV19 480V XLPE/PVC Cu (3C x 22mm <sup>2</sup> )	m	580.00	0.00	0.00	6.00	3,480.00	417,600.00
4I0120	MV20 480V XLPE/PVC Cu (1C x 400mm <sup>2</sup> )	m	90.00	0.00	0.00	72.00	6,480.00	777,600.00
4I0121	MV21 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	270.00	0.00	0.00	17.00	4,590.00	550,800.00
4I0122	MV22 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	310.00	0.00	0.00	17.00	5,270.00	632,400.00
4I0123	MV23 480V XLPE/PVC Cu (3C x 22mm <sup>2</sup> )	m	2,060.00	0.00	0.00	6.00	12,360.00	1,483,200.00
4I0124	MV24 480V XLPE/PVC Cu (3C x 22mm <sup>2</sup> )	m	2,060.00	0.00	0.00	6.00	12,360.00	1,483,200.00
4I0125	MV25 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	210.00	0.00	0.00	17.00	3,570.00	428,400.00
4I0126	MV26 480V XLPE/PVC Cu (3C x 100mm <sup>2</sup> )	m	540.00	0.00	0.00	17.00	9,180.00	1,101,600.00
Sub Total for This Page								22,507,200.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4I CABLING AND PIPING</b>								
4I01	<b>CABLING</b>							
4I0127	480V Cable Terminal For Above	set	54.00	0.00	0.00	25.00	1,350.00	162,000.00
4I0128	LV10 208-120V XLPE/PVC Cu (1C x 500mm <sup>2</sup> )	m	80.00	0.00	0.00	90.00	7,200.00	864,000.00
4I0129	LV11 208-120V XLPE/PVC Cu (4C x 200mm <sup>2</sup> )	m	185.00	0.00	0.00	51.00	9,435.00	1,132,200.00
4I0130	LV12 208-120V XLPE/PVC Cu (4C x 150mm <sup>2</sup> )	m	360.00	0.00	0.00	39.00	14,040.00	1,684,800.00
4I0131	LV13 208-120V XLPE/PVC Cu (4C x 38mm <sup>2</sup> )	m	165.00	0.00	0.00	12.00	1,980.00	237,600.00
4I0132	LV14 208-120V XLPE/PVC Cu (4C x 38mm <sup>2</sup> )	m	20.00	0.00	0.00	12.00	240.00	28,800.00
4I0133	LV15 208-120V XLPE/PVC Cu (4C x 14mm <sup>2</sup> )	m	130.00	0.00	0.00	3.00	390.00	46,800.00
4I0134	208-120V Cable Terminal For Above	set	14.00	0.00	0.00	25.00	350.00	42,000.00
4I0135	Control Cable	LS	1.00	0.00	0.00	4,000.00	4,000.00	480,000.00
4I02	<b>PIPING</b>							
4I0201	PVC Pipe Dia. 150mm	m	2,300.00	0.00	0.00	15.00	34,500.00	4,140,000.00
4I0202	PVC Pipe Dia. 100mm	m	400.00	0.00	0.00	11.00	4,400.00	528,000.00
4I0203	PVC Pipe Dia. 75mm	m	2,400.00	0.00	0.00	8.00	19,200.00	2,304,000.00
4I0204	PVC Pipe Dia. 50mm	m	800.00	0.00	0.00	5.00	4,000.00	480,000.00
4I0205	Steel Pipe Dia. 150mm	m	1,000.00	0.00	0.00	44.00	44,000.00	5,280,000.00
4I0206	Steel Pipe Dia. 100mm	m	200.00	0.00	0.00	31.00	6,200.00	744,000.00
4I0207	Steel Pipe Dia. 75mm	m	1,200.00	0.00	0.00	22.00	26,400.00	3,168,000.00
4I0208	Steel Pipe Dia. 50mm	m	400.00	0.00	0.00	14.00	5,600.00	672,000.00
4I0205	Cable Support in Trench	LS	1.00	0.00	0.00	5,000.00	5,000.00	600,000.00
Sub Total for This Page								22,594,200.00
Total for Bill No. 4I01								45,101,400.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4J AREA LIGHTING SYSTEM</b>								
4J01	<b>AREA LIGHTING SYSTEM AND POWER OUTLET</b>							
4JO101	Flood Light Mast 36M For 6X1000W	pole	8.00	0.00	0.00	11,800.00	94,400.00	11,328,000.00
4JO102	Flood Light Mast 25M For 6X1000W	pole	8.00	0.00	0.00	8,300.00	66,400.00	7,968,000.00
4JO103	Flood Light Fixture 1000W High Pressure Sodium 1P 480V 60Hz	Nos	96.00	0.00	0.00	400.00	38,400.00	4,608,000.00
4JO104	Street Light Pole 12M For 1X250W	pole	28.00	0.00	0.00	2,300.00	64,400.00	7,728,000.00
4JO105	Area Light Pole 12M For 2X250W	pole	2.00	0.00	0.00	2,100.00	4,200.00	504,000.00
4JO106	Double Bracket	nos.	14.00	0.00	0.00	80.00	1,120.00	134,400.00
4JO107	Single Bracket	nos.	28.00	0.00	0.00	40.00	1,120.00	134,400.00
4JO108	Road Light Fixture 250W, High Pressure Sodium 1P 480V 60Hz	nos.	56.00	0.00	0.00	275.00	15,400.00	1,848,000.00
4JO109	Lighting Panel For Steet Light	panel	2.00	0.00	0.00	2,000.00	4,000.00	480,000.00
4J02	<b>POWER OUTLET</b>							
4JO201	Service Outlet For Crane : 3 P 480V 38KW	set	3.00	0.00	0.00	1,000.00	3,000.00	360,000.00
4JO202	Service Outlet For Ship With 480/440V TR : 3P 440V-/3P 240V/IP 120V	set	4.00	0.00	0.00	6,400.00	25,600.00	3,072,000.00
4JO203	Reefer Outlet With 480/240V TR: 3P 480V X 8, 3P 240V X 4	set	8.00	0.00	0.00	8,300.00	66,400.00	7,968,000.00
Sub Total for This Page								46,132,800.00
Total for Bill No. 4J01								46,132,800.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
4K	<b>FIRE ALARM SYSTEM</b>							
4K01	<b>OUTDOOR</b>							
4K0101	Fire Alarm System For Outdoor	unit	1.00	0.00	0.00	4,700.00	4,700.00	564,000.00
4k02	<b>BUILDINGS</b>							
4K0201	Fire Alarm Equipment And Cabling In Port Administration Building	LS	1.00	0.00	0.00	10,200.00	10,200.00	1,224,000.00
4K0202	Fire Alarm Equipment And Cabling In Container Freight Station	LS	1.00	0.00	0.00	1,450.00	1,450.00	174,000.00
4K0203	Fire Alarm Equipment And Cabling In Maintenance And Repaire Shop	LS	1.00	0.00	0.00	1,840.00	1,840.00	220,800.00
4K0204	Fire Alarm Equipment And Cabling In Container Gate	LS	1.00	0.00	0.00	950.00	950.00	114,000.00
4K0205	Fire Alarm Equipment And Cabling In Cargo Gate	LS	1.00	0.00	0.00	910.00	910.00	109,200.00
4K0206	Fire Alarm Equipment And Cabling In Power Supply Station	LS	1.00	0.00	0.00	1,800.00	1,800.00	216,000.00
Sub Total for This Page								2,622,000.00
Total for Bill No. 4K01								2,622,000.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
				<b>4L TELEPHONE/DATA NETWORK</b>				
<b>4L01 TELEPHONE AND DATA SYSTEM</b>								
4L0101	Backbone Network, Structured Network	LS	1.00	0.00	0.00	29,915.00	29,915.00	3,589,800.00
4L0102	Backbone Network, Labor Force/Manpower	LS	1.00	0.00	0.00	23,561.00	23,561.00	2,827,320.00
4L0103	Telephone System Equipment, Totally Digital Communication Sever	LS	1.00	0.00	0.00	34,878.00	34,878.00	4,185,360.00
4L0104	Telephone System Equipment, Model Alcatel 4740	set	1.00	0.00	0.00	3,238.00	3,238.00	388,560.00
4L0105	Telephone System Equipment, Model Alcatel 4635H	set	1.00	0.00	0.00	12,921.00	12,921.00	1,550,520.00
<b>4L02 MOBILE PHONE AND VHF SYSTEM</b>								
4L0201	Mobile Phone, 2-Channel Base Station System	unit	2.00	0.00	0.00	1,018.00	2,036.00	244,320.00
4L0202	VHF System, Motorola Gp Mobile Topdesk Set	unit	6.00	0.00	0.00	457.00	2,742.00	329,040.00
4L0203	VHF System, 6-Channel Base Station System	unit	1.00	0.00	0.00	1,148.00	1,148.00	137,760.00
Sub Total for This Page								13,252,680.00
Total for Bill No. 4L01								13,252,680.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4M ELECTRICAL WORK FOR BUILDING</b>								
4M01	ADMINISTRATION BUILDING							
	<b>LIGHTING</b>							
4M0101	Type A, Fluorescent Fixture 4'X2', 3X32W, 120V Recessed In Ceiling	nos.	152.00	0.00	0.00	136.00	20,672.00	2,480,640.00
4M0102	Type B, Fluorescent Fixture 2'X2', 2X22W, 120V Recessed In Ceiling	nos.	22.00	0.00	0.00	136.00	2,992.00	359,040.00
4M0103	Type C, Fluorescent Downlight 2X26W, 120V	nos.	111.00	0.00	0.00	150.00	16,650.00	1,998,000.00
4M0104	Type D, Fluorescent Fixture Round, 32W+40W, 120V, Surface Mounted	nos.	14.00	0.00	0.00	125.00	1,750.00	210,000.00
4M0105	Type E, Incandescent 1X60W, 120V	nos.	13.00	0.00	0.00	24.00	312.00	37,440.00
4M0106	Type F, Fluorescent Fixture, 4X32W, 120V, Industrial Type	nos.	11.00	0.00	0.00	127.00	1,397.00	167,640.00
4M0107	Type G, Metal Halide Fixture, 100W, 120V, Wall Mounted	nos.	24.00	0.00	0.00	805.00	19,320.00	2,318,400.00
4M0108	Type G1, Metal Halide Fixture, 100W, 120V, Wall Mounted	nos.	20.00	0.00	0.00	805.00	16,100.00	1,932,000.00
4M0109	Type I, Fluorescent Fixture, 2X32W, 120V, Emergency	nos.	12.00	0.00	0.00	230.00	2,760.00	331,200.00
4M0110	Type T, Fluorescent Fixture, 1X32W, 120V, Outdoor Wall Mounted	nos.	6.00	0.00	0.00	42.00	252.00	30,240.00
4M0111	Exit Light	nos.	17.00	0.00	0.00	155.00	2,635.00	316,200.00
4M0112	Single Switch	nos.	91.00	0.00	0.00	15.00	1,365.00	163,800.00
4M0113	Double Switch	nos.	13.00	0.00	0.00	17.00	221.00	23,520.00
4M0114	Switch, Piping & Box Only	nos.	15.00	0.00	0.00	12.00	180.00	21,600.00
4M0115	Junction Box (120V)	nos.	9.00	0.00	0.00	13.00	117.00	14,040.00
	<b>OUTLETS</b>							
4M0116	Duplex Receptacle 120V	nos.	190.00	0.00	0.00	15.00	2,850.00	342,000.00
4M0117	Duplex Receptacle Industrial Type 120V	nos.	24.00	0.00	0.00	17.00	408.00	48,960.00
4M0118	Single Receptacle 120V For Hand Dryer	nos.	13.00	0.00	0.00	15.00	195.00	23,400.00
4M0119	Single Floor Receptacle 120V	nos.	5.00	0.00	0.00	63.00	315.00	37,800.00
4M0120	Weather Proof Receptacle 120V	nos.	6.00	0.00	0.00	21.00	126.00	15,120.00
4M0121	120V Junction Box Concealed In Ceiling	nos.	9.00	0.00	0.00	13.00	117.00	14,040.00
4M0122	Connection For Fan Coil Unit 120V 1 Phase, Concealed In Ceiling	nos.	56.00	0.00	0.00	13.00	728.00	87,360.00
4M0123	Connection For Exhaust Fan, 120V 1 Phase, Concealed In Ceiling	nos.	15.00	0.00	0.00	13.00	195.00	23,400.00
4M0124	Connection For Chiller 480V-3 Phase	nos.	2.00	0.00	0.00	475.00	950.00	114,000.00
Sub Total for This Page								11,112,840.00



LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
	<b>OUTLETS</b>				0			
4M0125	Connection For A/C Pump 480V-3 Phase	nos.	2.00	0.00	0.00	475.00	950.00	114,000.00
4M0126	Connection For Air Handling Unit, 480V-3 Phase	nos.	4.00	0.00	0.00	325.00	1,300.00	156,000.00
4M0127	Connection For Elevator, 480V-3 Phase	no.	1.00	0.00	0.00	490.00	490.00	58,800.00
4M0128	Connection For Firefighting Pump, 480V-3 Phase	no.	1.00	0.00	0.00	340.00	340.00	40,800.00
	<b>CABLING/PIPING</b>							
4M0129	Cable PVC 2.1 mm <sup>2</sup>	m	3,440.00	0.00	0.00	0.11	378.40	45,408.00
4M0130	Cable PVC 3.3 mm <sup>2</sup>	m	3,460.00	0.00	0.00	0.15	519.00	62,280.00
4M0131	Cable PVC 5.3 mm <sup>2</sup>	m	5,385.00	0.00	0.00	0.25	1,346.25	161,550.00
4M0132	Cable PVC 8.4 mm <sup>2</sup>	m	40.00	0.00	0.00	0.44	17.60	2,112.00
4M0133	Pipe PVC Dia. 13 mm	m	2,425.00	0.00	0.00	1.75	4,243.75	509,250.00
4M0134	Pipe PVC Dia. 19 mm	m	2,770.00	0.00	0.00	1.90	5,263.00	631,560.00
	<b>OTHERS</b>							
4M0135	Transformer, Dry Type, 500 Kva, 480V/208-120V	no.	1.00	0.00	0.00	8,000.00	8,000.00	960,000.00
4M0136	Panelboard TG	no.	1.00	0.00	0.00	4,800.00	4,800.00	576,000.00
4M0137	Panelboard ST-C	no.	1.00	0.00	0.00	1,800.00	1,800.00	216,000.00
4M0138	Panelboard ST-AAN	no.	1.00	0.00	0.00	1,800.00	1,800.00	216,000.00
4M0139	Panelboard ST-AAE	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0140	Panelboard ST-A1	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0141	Panelboard ST-A2	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0142	Panelboard ST-A3	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0143	Panelboard ST-A4	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0144	Panelboard ST-A5	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0145	Panelboard ST-A6	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0146	Panelboard ST-AA1	no.	1.00	0.00	0.00	410.00	410.00	49,200.00
4M0147	Panelboard ST-AA2	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0148	Panelboard ST-AA3	no.	1.00	0.00	0.00	410.00	410.00	49,200.00
4M0149	Panelboard ST-AA4	no.	1.00	0.00	0.00	410.00	410.00	49,200.00
4M0150	Active Lightning Terminal W/Fitting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0151	Galvanized Steel Down Conductor (Dia 8 mm)	m	45.00	0.00	0.00	4.00	180.00	21,600.00
4M0152	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	290.00	290.00	34,800.00
4M0153	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	1.00	0.00	0.00	230.00	230.00	27,600.00
Sub Total for This Page								4,749,360.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
				<b>4M ELECTRICAL WORK FOR BUILDING</b>				
4M02	CONTAINER FREIGHT STATION <b>LIGHTING</b>							
4M0201	Type A, Fluorescent Fixture 4'X2', 3X32W 120V Recessed In Ceiling	nos.	16.00	0.00	0.00	136.00	2,176.00	261,120.00
4M0202	Type F, Fluorescent Fixture 4X32W, 120V, Industrial Type	nos.	19.00	0.00	0.00	157.00	2,983.00	357,960.00
4M0203	Type N1, High Pressure Sodium Fixture, 150W 208V Low Bay Industrial	nos.	14.00	0.00	0.00	212.00	2,968.00	356,160.00
4M0204	Type M, Metal Halide Fixture, 400W 208V High Bay Industrial	nos.	14.00	0.00	0.00	190.00	2,660.00	319,200.00
4M0205	Exit Light	nos.	2.00	0.00	0.00	295.00	590.00	70,800.00
4M0206	Single Switch	nos.	4.00	0.00	0.00	15.00	60.00	7,200.00
4M0207	Single Switch Industrial	nos.	7.00	0.00	0.00	17.00	119.00	14,280.00
4M0208	2 Pole 240V Switch	nos.	5.00	0.00	0.00	19.00	95.00	11,400.00
<b>OUTLETS</b>								
4M0209	Duplex Receptacle 120V	nos.	16.00	0.00	0.00	15.00	240.00	28,800.00
4M0210	Duplex Receptacle Industrial, 120V	nos.	20.00	0.00	0.00	17.00	340.00	40,800.00
4M0211	Single Receptacle 120V For Hand Dryer	nos.	2.00	0.00	0.00	15.00	30.00	3,600.00
4M0212	Connection For Exhaust Fan, 120V 1 Phase, Concealed In Ceiling	nos.	3.00	0.00	0.00	13.00	39.00	4,680.00
4M0213	Connection For Fork Lift Battery Charger, 120V, 1 Phase	nos.	4.00	0.00	0.00	24.00	96.00	11,520.00
4M0214	Connection For Air Conditioning Unit, 208V, 1 Phase	nos.	4.00	0.00	0.00	21.00	84.00	10,080.00
4M0215	Connection For Weigh Bridge, 208V, 1 Phase	no.	1.00	0.00	0.00	21.00	21.00	2,520.00
4M0216	Connection For Roll Up Door, 208V, 1 Phase	nos.	16.00	0.00	0.00	21.00	336.00	40,320.00
4M0217	Connection For Wastewater Treatment Facility No 2, 208V, 3 Phase	no.	1.00	0.00	0.00	390.00	390.00	46,800.00
Sub Total for This Page								1,587,240.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>CABLING/PIPING</b>								
4M0218	Cable PVC 2.1 mm <sup>2</sup>	m	750.00	0.00	0.00	0.11	82.50	9,900.00
4M0219	Cable PVC 3.3 mm <sup>2</sup>	m	2,500.00	0.00	0.00	0.15	375.00	45,000.00
4M0220	Cable PVC 5.3 mm <sup>2</sup>	m	2,900.00	0.00	0.00	0.25	725.00	87,000.00
4M0221	Cable PVC 8.4 mm <sup>2</sup>	m	380.00	0.00	0.00	0.44	167.20	20,064.00
4M0222	Pipe PVC Dia. 13 mm	m	270.00	0.00	0.00	1.75	472.50	56,700.00
4M0223	Pipe PVC Dia. 19 mm	m	300.00	0.00	0.00	1.90	570.00	68,400.00
4M0224	Pipe EMT Dia. 13 mm	m	440.00	0.00	0.00	2.80	1,232.00	147,840.00
4M0225	Pipe EMT Dia. 19 mm	m	200.00	0.00	0.00	4.00	800.00	96,000.00
4M0226	Pipe EMT Dia. 51 mm	m	200.00	0.00	0.00	13.50	2,700.00	324,000.00
<b>OTHERS</b>								
4M0227	Transformer, Dry Type, 300 Kva, 480V/208-120V	no.	1.00	0.00	0.00	8,000.00	8,000.00	960,000.00
4M0228	Panelboard TG-CFS	no.	1.00	0.00	0.00	1,800.00	1,800.00	216,000.00
4M0229	Panelboard T-CFS	no.	1.00	0.00	0.00	1,240.00	1,240.00	148,800.00
4M0230	Panelboard ST-CFS	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0231	Panelboard ST-RD	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0232	Active Lightning Terminal W/Fitting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0233	Galvanized Steel Down Conductor (Dia 8 mm)	m	80.00	0.00	0.00	4.00	320.00	38,400.00
4M0234	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	512.00	512.00	61,440.00
4M0235	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	2.00	0.00	0.00	230.00	460.00	55,200.00
Sub Total for This Page								2,805,744.00

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4M ELECTRICAL WORK FOR BUILDING</b>								
4M03	MAINTENANCE AND REPAIR SHOP <b>LIGHTING</b>							
4M0301	Type A, Fluorescent Fixture 4'X2', 3X32W 120V Recessed In Ceiling	nos.	16.00	0.00	0.00	136.00	2,176.00	261,120.00
4M0302	Type F, Fluorescent Fixture 4X32W, 120V, Industrial Type	nos.	5.00	0.00	0.00	157.00	785.00	94,200.00
4M0303	Type L, Fluorescent Fixture 4X32W, 120V, Wrap-Around, Surface Mounted	nos.	5.00	0.00	0.00	144.00	720.00	86,400.00
4M0304	Type J, Fluorescent Fixture 2X32W, 120V, Rought Use, Angle Mounted	nos.	10.00	0.00	0.00	517.00	5,170.00	620,400.00
4M0305	Type N1, High Pressure Sodium Fixture, 150W 208V Low Bay Industrial	nos.	14.00	0.00	0.00	212.00	2,968.00	356,160.00
4M0306	Type M, Metal Halide Fixture, 400W 208V High Bay Industrial	nos.	21.00	0.00	0.00	190.00	3,990.00	478,800.00
4M0307	Exit Light	nos.	2.00	0.00	0.00	295.00	590.00	70,800.00
4M0308	Single Switch	nos.	4.00	0.00	0.00	15.00	60.00	7,200.00
4M0309	Single Switch Industrial	nos.	7.00	0.00	0.00	17.00	119.00	14,280.00
4M0310	2 Pole 240V Switch	nos.	6.00	0.00	0.00	19.00	114.00	13,680.00
<b>OUTLETS</b>								
4M0311	Duplex Receptacle 120V	nos.	13.00	0.00	0.00	15.00	195.00	23,400.00
4M0312	Duplex Receptacle Industrial, 120V	nos.	13.00	0.00	0.00	17.00	221.00	26,520.00
4M0313	Weather Proof Receptacle, 120V	nos.	4.00	0.00	0.00	21.00	84.00	10,080.00
4M0314	Single Receptacle 120V For Hand Dryer	nos.	2.00	0.00	0.00	15.00	30.00	3,600.00
4M0315	Connection For Exhaust Fan, 120V 1 Phase, Concealed In Ceiling	nos.	2.00	0.00	0.00	13.00	26.00	3,120.00
4M0316	Connection For Air Conditioning Unit, 208V, 1 Phase	nos.	3.00	0.00	0.00	21.00	63.00	7,560.00
4M0317	Connection For Roll Up Door, 208V, 1 Phase	nos.	6.00	0.00	0.00	21.00	126.00	15,120.00
4M0318	Connection For Travelling Crane, 208V, 3 Phase	no.	1.00	0.00	0.00	375.00	375.00	45,000.00
4M0319	208V, 1 Phase Outlet	nos.	8.00	0.00	0.00	38.00	304.00	36,480.00
4M0320	208V, 3 Phase Outlet	nos.	4.00	0.00	0.00	70.00	280.00	33,600.00
Sub Total for This Page								2,207,520.00

LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>CABLING/PIPING</b>								
4M0321	Cable PVC 2.1 mm <sup>2</sup>	m	665.00	0.00	0.00	0.11	73.15	8,778.00
4M0322	Cable PVC 3.3 mm <sup>2</sup>	m	2,350.00	0.00	0.00	0.15	352.50	42,300.00
4M0323	Cable PVC 5.3 mm <sup>2</sup>	m	3,625.00	0.00	0.00	0.25	906.25	108,750.00
4M0324	Cable PVC 8.4 mm <sup>2</sup>	m	730.00	0.00	0.00	0.44	321.20	38,544.00
4M0325	Cable PVC 13.2 mm <sup>2</sup>	m	1,280.00	0.00	0.00	0.70	896.00	107,520.00
4M0326	Cable PVC 85 mm <sup>2</sup>	m	120.00	0.00	0.00	4.30	516.00	61,920.00
4M0327	Pipe PVC Dia. 13 mm	m	240.00	0.00	0.00	1.75	420.00	50,400.00
4M0328	Pipe PVC Dia. 19 mm	m	200.00	0.00	0.00	1.90	380.00	45,600.00
4M0329	Pipe EMT Dia. 13 mm	m	230.00	0.00	0.00	2.80	644.00	77,280.00
4M0330	Pipe EMT Dia. 19 mm	m	1,040.00	0.00	0.00	4.00	4,160.00	499,200.00
4M0331	Pipe EMT Dia. 25 mm	m	790.00	0.00	0.00	6.80	5,372.00	644,640.00
4M0332	Pipe EMT Dia. 51 mm	m	30.00	0.00	0.00	13.50	405.00	48,600.00
<b>OTHERS</b>								
4M0333	Panelboard TG-MRS	no.	1.00	0.00	0.00	1,800.00	1,800.00	216,000.00
4M0334	Panelboard T-MRS	no.	1.00	0.00	0.00	1,240.00	1,240.00	148,800.00
4M0335	Panelboard ST-MRS	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0336	Panelboard ST-MRS2	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0337	Active Lightning Terminal W/Fitting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0338	Galvanized Steel Down Conductor (Dia 8 mm)	m	80.00	0.00	0.00	4.00	320.00	38,400.00
4M0339	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	512.00	512.00	61,440.00
4M0340	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	2.00	0.00	0.00	230.00	460.00	55,200.00
<b>Sub Total for This Page</b>								<b>2,724,372.00</b>

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4M ELECTRICAL WORK FOR BUILDING</b>								
4M04	CONTAINER GATE <b>LIGHTING</b>							
4M0401	Type L, Fluorescent Fixture 4X32W, 120V, Wrap-Around, Surface Mounted	nos.	12.00	0.00	0.00	144.00	1,728.00	207,360.00
4M0402	Type L1, Fluorescent Fixture 3X32W, 120V, Wrap-Around, Surface Mounted	nos.	12.00	0.00	0.00	142.00	1,704.00	204,480.00
4M0403	Type Q, Metal Halide Fixture, 400W 208V High Mast	nos.	18.00	0.00	0.00	325.00	5,850.00	702,000.00
4M0404	Single Switch	nos.	10.00	0.00	0.00	15.00	150.00	18,000.00
4M0405	2 Pole 240V Switch	nos.	3.00	0.00	0.00	19.00	57.00	6,840.00
4M0406	Connection For Sign Light, 120V 1 Phase, Concealed In Ceiling	nos.	12.00	0.00	0.00	13.00	156.00	18,720.00
<b>OUTLETS</b>								
4M0407	Duplex Receptacle 120V	nos.	26.00	0.00	0.00	15.00	390.00	46,800.00
4M0408	120V Junction Box Concealed In Floor	nos.	12.00	0.00	0.00	15.00	180.00	21,600.00
4M0409	Connection For Air Conditioning Unit, 208V, 1 Phase	nos.	10.00	0.00	0.00	21.00	210.00	25,200.00
4M0410	Connection For Weigh Bridge, 208V, 1 Phase	nos.	2.00	0.00	0.00	21.00	42.00	5,040.00
<b>CABLING/PIPING</b>								
4M0411	Cable PVC 2.1 mm <sup>2</sup>	m	350.00	0.00	0.00	0.11	38.50	4,620.00
4M0412	Cable PVC 3.3 mm <sup>2</sup>	m	1,020.00	0.00	0.00	0.15	153.00	18,360.00
4M0413	Cable PVC 5.3 mm <sup>2</sup>	m	810.00	0.00	0.00	0.25	202.50	24,300.00
4M0414	Cable PVC 8.4 mm <sup>2</sup>	m	520.00	0.00	0.00	0.44	228.80	27,456.00
4M0415	Pipe PVC Dia. 13 mm	m	240.00	0.00	0.00	1.75	420.00	50,400.00
4M0416	Pipe PVC Dia. 19 mm	m	465.00	0.00	0.00	1.90	883.50	106,020.00
4M0417	Pipe EMT Dia. 13 mm	m	1,110.00	0.00	0.00	2.80	3,108.00	372,960.00
4M0418	Pipe EMT Dia. 19 mm	m	280.00	0.00	0.00	4.00	1,120.00	134,400.00
4M0419	Pipe EMT Dia. 25 mm	m	280.00	0.00	0.00	6.80	1,904.00	228,480.00
<b>OTHERS</b>								
4M0420	Panelboard T-CG	no.	1.00	0.00	0.00	8.90	8.90	1,068.00
4M0421	Panelboard ST-CG	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0422	Active Lightning Terminal W/Fitting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0423	Galvanized Steel Down Conductor (Dia 8 mm)	m	60.00	0.00	0.00	4.00	240.00	28,800.00
4M0424	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	390.00	390.00	46,800.00
4M0425	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	1.00	0.00	0.00	230.00	230.00	27,600.00
Sub Total for This Page								2,726,304.00

LA UNION PORT DEVELOPMENT PROJECT

SECTION 4M ELECTRICAL WORK FOR BUILDING

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4M ELECTRICAL WORK FOR BUILDING</b>								
4M05	<b>CARGO GATE LIGHTING</b>							
4M0501	Type L, Fluorescent Fixture 4X32W, 120V, Wrap-Around, Surface Mounted	nos.	12.00	0.00	0.00	144.00	1,728.00	207,360.00
4M0502	Type L1, Fluorescent Fixture 3X32W, 120V, Wrap-Around, Surface Mounted	nos.	4.00	0.00	0.00	142.00	568.00	68,160.00
4M0503	Type Q, Metal Halide Fixture, 400W 208V High Mast	nos.	9.00	0.00	0.00	325.00	2,925.00	351,000.00
4M0504	Single Switch	nos.	6.00	0.00	0.00	15.00	90.00	10,800.00
4M0505	2 Pole 240V Switch	nos.	3.00	0.00	0.00	19.00	57.00	6,840.00
4M0506	Connection For Sign Light, 120V 1 Phase, Concealed In Ceiling	nos.	6.00	0.00	0.00	13.00	78.00	9,360.00
<b>OUTLETS</b>								
4M0507	Duplex Receptacle 120V	nos.	18.00	0.00	0.00	15.00	270.00	32,400.00
4M0508	120V Junction Box Concealed In Floor	nos.	6.00	0.00	0.00	15.00	90.00	10,800.00
4M0509	Connection For Air Conditioning Unit, 208V, 1 Phase	nos.	6.00	0.00	0.00	21.00	126.00	15,120.00
4M0510	Connection For Weigh Bridge, 208V, 1 Phase	nos.	2.00	0.00	0.00	21.00	42.00	5,040.00
<b>CABLING/PIPING</b>								
4M0511	Cable PVC 2.1 mm <sup>2</sup>	m	205.00	0.00	0.00	0.11	22.55	2,706.00
4M0512	Cable PVC 3.3 mm <sup>2</sup>	m	515.00	0.00	0.00	0.15	77.25	9,270.00
4M0513	Cable PVC 5.3 mm <sup>2</sup>	m	510.00	0.00	0.00	0.25	127.50	15,300.00
4M0514	Cable PVC 8.4 mm <sup>2</sup>	m	260.00	0.00	0.00	0.44	114.40	13,728.00
4M0515	Pipe PVC Dia. 13 mm	m	100.00	0.00	0.00	1.75	175.00	21,000.00
4M0516	Pipe PVC Dia. 19 mm	m	260.00	0.00	0.00	1.90	494.00	59,280.00
4M0517	Pipe EMT Dia. 13 mm	m	55.00	0.00	0.00	2.80	154.00	18,480.00
4M0518	Pipe EMT Dia. 19 mm	m	200.00	0.00	0.00	4.00	800.00	96,000.00
4M0519	Pipe EMT Dia. 25 mm	m	130.00	0.00	0.00	6.80	884.00	106,080.00
<b>OTHERS</b>								
4M0520	Panelboard T-CAG	no.	1.00	0.00	0.00	890.00	890.00	106,800.00
4M0521	Panelboard ST-CAG	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0522	Active Lightning Terminal W/Fitting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0523	Galvanized Steel Down Conductor (Dia 8 mm)	m	60.00	0.00	0.00	4.00	240.00	28,800.00
4M0524	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	390.00	390.00	46,800.00
4M0525	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	2.00	0.00	0.00	230.00	460.00	55,200.00
<b>Sub Total for This Page</b>								<b>1,695,324.00</b>

## LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY		LOCAL CURRENCY		TOTAL AMOUNT IN (YEN)
				(Yen)		(US\$)		
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4M ELECTRICAL WORK FOR BUILDING</b>								
4M06	POWER SUPPLY STATION							
<b>LIGHTING</b>								
4M0601	Type L, Fluorescent Fixture 4X32W, 120V, Wrap-Around, Surface Mounted	nos.	3.00	0.00	0.00	144.00	432.00	51,840.00
4M0602	Type L1, Fluorescent Fixture 3X32W, 120V, Wrap-Around, Surface Mounted	no.	1.00	0.00	0.00	142.00	142.00	17,040.00
4M0603	Type N1, Hps Fixture, 150W, 208V	nos.	7.00	0.00	0.00	212.00	1,484.00	178,080.00
4M0604	Type R, Metal Halide Fixture, 250W 208V	nos.	14.00	0.00	0.00	287.00	4,018.00	482,160.00
4M0605	Exit Light	nos.	2.00	0.00	0.00	295.00	590.00	70,800.00
4M0606	Single Switch	nos.	2.00	0.00	0.00	15.00	30.00	3,600.00
4M0607	2 Pole 240V Switch	nos.	5.00	0.00	0.00	19.00	95.00	11,400.00
<b>OUTLETS</b>								
4M0608	Duplex Receptacle 120V, Industrial Type	nos.	9.00	0.00	0.00	17.00	153.00	18,360.00
4M0609	Connection For Exhaust Fan, 120V 1 Phase, Concealed In Ceiling	nos.	5.00	0.00	0.00	19.00	95.00	11,400.00
<b>CABLING/PIPING</b>								
4M0610	Cable PVC 2.1 mm <sup>2</sup>	m	60.00	0.00	0.00	0.11	6.60	792.00
4M0611	Cable PVC 3.3 mm <sup>2</sup>	m	250.00	0.00	0.00	0.15	37.50	4,500.00
4M0612	Cable PVC 5.3 mm <sup>2</sup>	m	220.00	0.00	0.00	0.25	55.00	6,600.00
4M0613	Pipe EMT Dia. 13 mm	m	40.00	0.00	0.00	2.80	112.00	13,440.00
4M0614	Pipe EMT Dia. 19 mm	m	150.00	0.00	0.00	4.00	600.00	72,000.00
<b>OTHERS</b>								
4M0615	Panelboard T-Pps	no.	1.00	0.00	0.00	600.00	600.00	72,000.00
4M0616	Active Lightning Terminal W/Fiting And Lightning Strike Counter	no.	1.00	0.00	0.00	2,725.00	2,725.00	327,000.00
4M0617	Galvanized Steel Down Conductor (Dia 8 mm)	m	50.00	0.00	0.00	4.00	200.00	24,000.00
4M0618	Clamps, Fitting Hardware	LS	1.00	0.00	0.00	320.00	320.00	38,400.00
4M0619	Lightning System Grounding (Ground Rods, Clamps, Conductor)	LS	1.00	0.00	0.00	230.00	230.00	27,600.00
Sub Total for This Page								1,431,012.00
Total for Bill No. 4M01								31,039,716.00



LA UNION PORT DEVELOPMENT PROJECT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	FOREIGN CURRENCY (Yen)		LOCAL CURRENCY (US\$)		TOTAL AMOUNT IN (YEN)
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	
<b>4N MISCELLANEUOS EQUIPMENT</b>								
4N01	Fuel Supply	set	1.00	0.00	0.00	28,000.00	28,000.00	3,360,000.00
4N02	Elevator	set	1.00	0.00	0.00	63,900.00	63,900.00	7,668,000.00
4N03	Overhead Crane	set	1.00	0.00	0.00	69,680.00	69,680.00	8,361,600.00
4N04	Weighing Bridge	set	4.00	6,800,000.00	27,200,000.00	0.00	0.00	27,200,000.00
4N05	Weigh Scale	set	1.00	0.00	0.00	16,900.00	16,990.00	2,038,800.00
Sub Total for This Page								48,628,400.00
Total for Bill No 4N01								48,628,400.00