However, for import cargoes the reduction in time will benefit the foreign consigners, not the Mexican economy. Accordingly, only the reduction of transport period of export cargoes is calculated as the benefit to Mexico. The effect from inventory interest is not considered, because it only transfers from one party to another within the nation.

If the average value of export cargoes is calculated using customs statistics from January to August 1984, the figures are: US\$603/ton for agricultural bulk, US\$140/ton for mineral bulk such as cement, and US\$942/ton for general cargo (excluding petroleum and its by-products).

For calculation purposes, usance interest is estimated as 14% per year based on the American B/A (Bank Acceptance) rate.

Table XI-7 presents the estimated reductions in time costs for export cargoes, that is the benefits from reducing the usance that will accrue to the Mexican economy.

Year	Export Volume ('000 t/year)	Average Cargo Value (US\$/t)	Interest (%/year)	Reduction in Export Ship's Staying Period (days)	Reduction in Time Cost ('000,000 pesos)
1987	141	688	14	50	1
1988	206	594	14	98	2
1989	271	546	14	144	4
1990	337	517	14	189	7
1991					·

Table XI-7 Reduction in Time Costs

#### 2-5 Other Intangible Benefits

## 2-5-1 Development of Port Related Industries

Without the implementation of the development project, the port of Manzanillo will be operating at capacity simply maintaining the existing cargo flow. Therefore, factories which plan to locate around the port require the development of the port as a prerequisite to their operations. The value added by such companies is therefore an economic benefit of the development project of the port of Manzanillo.

#### 2-5-2 Increase in Employment Opportunities

As for the additional employment directly arising from the project, employment for construction during the construction period and for operation after the facilities are completed are considered.

There is an excess supply of unskilled labor in the region. The construction will provide employment for those people who will remain unemployed if the project does not take place. This employment is one of major benefits of the project. Table XI-8 shows the yearly allocation of this employment effect.

Table XI-8 Yearly Allocation of Employment

(Unit: '000 person days)

Item	1985	1986	1987	1988	1989	Total
Skilled Unskilled	4 15	30 116	20 74	16 59	22 58	92 322
Total	19	146	94	75	80	414

The increase of stevedoring needed to load and unload additional cargoes which will pass through the Port due to the construction of new port facilities is also considered as a benefit of the project.

With the new location of enterprises around the port, employment opportunities for the local population are expected to increase both directly and indirectly. Along with the growth of secondary industries and the subsequent advance of tertiary industries, the income of the local population is expected to rise.

## 2-5-3 Improvement of Cargo Handling Safety

The existing aprons are too narrow for safe cargo handling. Furthermore, there are no sufficient back-up facilities (warehouses, transit sheds, etc.). It is very difficult to assess the benefits of increased safety in cargo handling in monetary terms. However, by construction of the new wharf and other related facilities, safe cargo handling will be ensured.

## 3. Costs

## 3-1 Construction Costs

Table XI-9 and Table XI-10 show construction cost and the cost of purchasing cargo handling equipment divided into local currency and foreign currency portions.

## 3-2 Maintenance Costs

The costs of maintaining the port facilities, such as the wharves, warehouses, stock-yard and cargo handling equipment, are estimated as a fixed proportion (2% for structures, 5% for machines per year) of the original construction costs. An annual breakdown of the maintenance costs based upon this calculation is shown in Table XI-11.

Table XI-9 Constructions Costs

(Unit: '000,000 pesos)

									-									
1		1985			1986			1987			1988			1989	-		Total	
Гасину	F/C	7/C	Total	F/C	T/C	Total	F/C	T/C	Total	F/C	7/C	Total	F/C	ר/כ	Total	F/C	T/C	Total
Channel & Basin	1	١	1	174	350	524	58	116	174	19	39	88	1	l	1	251	505	756
Mineral Bulk Berth	۲-	172	179	15	340	355	1	ı	ı	ŀ	I	1	1.	ŧ	ı	22	512	534
Grain Borth	1	ì	1	00	238	246	σ	237	246	ļ	1	ì	1	ł	ì	17	475	492
Container Berth & Yard	1	1	1	i		1	<b>∞</b>	168	176	21	438	459	<del>-</del>	200	201	30	806	836
Preparation & Temporary Work	) 	\	l	~4	12	E	ı	i	i	1	1		ţ	23	23	<b>—</b>	35	36
Railway & Road	1	ţ	ı	ı	· I	ı	9	7	<b>∞</b>	30	53	59	24	76	20	09	57	117
Transit Sheds	1.	ı İ	1	I	1	1	12	140	152	13	140	153	25	280	305	20	260	610
Land		. 1	1.	1	88	33	l	126	126	ı	ঘ	4		'n	m		166	166
Utilities	1	l	ı	9	77	83	4	57	19	m	45	84	215	326	541	228	505	733
Navigation Aid	1	l·	ı	1		ı	99	10	92	l	. 1	.1	1	1	4.	99	9	9/
Total	7	172	179	204	1,050	1,254	163	856	1,019	98	\$69	781	265	858	1,123	725	3,631	4,356
Tax	1	1,6	, 16	ı	81	8	1	78	78	1	64	64		85	85	J.,	324	324
Grand Total	7	188	195	204	1,131	1,335	163	934	1,097	98	759	845	265	943	1,208	725	3,955	4,680

Note: F/C = Foreign Currency L/C = Local Currency

Table XI-10 Purchase Costs for Cargo Handling Equipment

		1987			1988			1989			Total	
racility	F/C	2/7	Total	E/C	,2/T	Total	F/C	L/C	Total	F/C	T/C	Total
Gantry Crane	1	1	I	l	1	ı	610	-	610	610	1	610
Folklift (33 t)	1	1	. 1	ı	1	1	84	1	48	48	1	8
Straddle Carrier	1	1	.!	j 	1	1	270	ŀ	270	270	1	270
Trailer Head for Container	ì		1	1	i	ŀ	152	ı	152	152	l	152
Container Chassis	]	1	ı	1	١	ı	96	ŀ	96	96	l .	96
Wheel Crane	1	ł	1	. 1	ţ	t	1	70	20	1	20	20
Tractor	1	1		132	1	132	198	1	198	330	1	330
Flat Chassis	1		1		_	1	Ì	2	7	1	14	4
Dump Truck	ı	l	l	. 1		. 1	1	16	16	I	16	91
Hopper	30	proj	31	30	<del></del> (	31	1	1	1	09	73	62
Total	30	-	31	162	8	170	1,374	43	1,417	1,566	52	1,618
Tax	-		1	1	1	<b></b>	1	4	4	ı	۶	5
Grand Total	30		31	162	6	171	1,374	47	1,421	1,566	. 57	1,623

Note: F/C = Foreign Currency L/C = Local Currency

Table XI-11 Maintenance Costs

(Unit: '000,000 pesos)

Year	Value of Facilities	Total	Rate (%)	Amount
1987	776	776	2 or 5	16
1988	783	1,559	2 or 5	32
1989	1,632	3,191	2 or 5	70
1990	3,112	6,303	2 or 5	156
1991				

#### 4. Shadow Pricing

#### 4-1 Calculating Shadow Prices

The purpose of economic analysis is to examine the value of a project to see if it represents an efficient allocation of resources. The values of goods quoted in a given marketplace do not always represent the true value of those goods to the nation. Thus planners often use "shadow pricing" to examine the costs of labor, capital, and imported goods, as well as the benefits of development, to evaluate a project from the economic viewpoint.

All the costs and benefits examined in previous sections have been calculated based on market prices (world prices and domestic prices). There are several ways of applying the concept of shadow pricing, but in this study, the prices of domestic goods and services are revised to shadow prices in an effort to determine a more rational valuation. In general, these shadow prices are intended to represent the international market value, or world prices, of these goods and services.

The market prices are changed to shadow prices using various conversion factors. Specifically, transfer items are excluded, and the concept of shadow pricing is applied selectively.

#### 4-1-1 Exclusion of Transfer Items

In the figures given for construction costs in Section 3-1, above, the foreign currency portion of imported materials and services do not include import duties or sales taxes. Thus these figures are a reasonable statement of the value of these goods and services.

On the other hand, the local currency portion of the construction costs include both sales tax and import duties. These are merely transfer items, which do not actually reflect the comsumption of any national resources. Therefore, these transfer costs should be excluded from the economic analysis of the value of the project.

#### 4-1-2 Method of Applying Conversion Factors

Generally, all benefits and costs are divided into labor, trade goods and non-traded goods. Labor is further divided into skilled labor and unskilled labor. The cost of skilled labor is obtained by multiplying its market price by the Conversion Factor for Consumption (CFC), and the cost of unskilled labor is calculated by multiplying its market price by a ratio of the shadow wage rate and the CFC. Traded goods are expressed by the C.I.F. value for imports and by the F.O.B. value for exports. As world prices cannot be directly applied in the case of non-trade goods, a second level analysis is made of the items required for the production of non-trade goods. These items are, in turn, divided into the categories of labor, trade goods and non-trade goods. The Standard Conversion Factor (SCF) is then applied to the remaining value of non-trade goods.

#### 4-2 Calculation of the Conversion Factors

## 4-2-1 The Standard Conversion Factor (SCF)

Import duties and export subsidies create a price differential between the domestic market and the international market. For the purpose of analysing benefits and costs within the domestic market, the standard conversion factor is applied in order to convert domestic prices to international market prices.

The standard conversion factor is obtained by the following formula:

$$SCF = \frac{I + E}{I + D_i + E - D_e}$$
 (XI-2)

where, I:

I: Total amount of imports

E: Total amount of exports

Di: Total amount of import duties

De: Total amount of export duties

The standard conversion factors for the three years from 1981 to 1983 are listed in Table XI-12.

In this study, the mean value for the three year period is used. Thus, the standard conversion factor has a value of 0.939.

Table XI-12 Standard Conversion Factors (SCF) (exclusive of petroleum)

(Unit: billion pesos)

Item	1981	1982	1983	1981 ~ 1983
Imports (C.I.F.) Exports (F.O.B.)	593.0	721.6	1,012.6	2,327.2
	136.0	273.9	720.2	1,130.1
Import Duties Export Duties	66.8	82.6	82.2	231.6
	0.2	2.1	3.6	5.9
SCF	0.916	0.925	0.957	0.939

Source: Banco de México, "Sistema de Cuentas Nacionales de México 1981 ~ 1983 Indicadores Economicos"

## 4-2-2 Conversion Factor for Consumption (CFC)

This factor is used for converting the prices of consumer goods from domestic to international prices. This is particularly required to convert domestic labor costs to the corresponding international prices. The conversion factor for consumption is usually calculated in the same manner as the standard conversion factor, replacing total imports and total exports by imports and exports of consumer goods only.

However, due to a lack of the required data, such as duty revenue figures, the conversion factor for consumption could not be calculated directly. In this study, the export duty rate is assumed as a value of 0%, because the rates are very low due to the active promotion of exports; a very small sum of export duties are levied other than the duty from PEMEX. As for the average import duty rate, a value of 35% is assumed which is the average value between the low, 20%, and the high, 50% rates which are applied to the goods which are not supplied in sufficient quantities by domestic producers.

Thus, the conversion factor for consumption has a value of 0.914 calculated based on the above assumptions and the figures presented in Table XI-13.

Table XI-13 Foreign Trade

(Unit: '000,000 US\$)

Period	Total	Consumption Goods	Intermediate Goods	Capital Goods
Export 1983 Jan. ~ Dec. 1984 Jan. ~ Aug.	21,398.8 (100.0%) 15,365.7 (100.0%)	1,505.4 (7.0%) 1,341.3 (8.7%)	19,664.9 (91.9%) 13,859.5 (90.4%)	228.5 (1.1%) 134.9 (0.9%)
Import 1983 Jan. ~ Dec. 1984 Jan. ~ Aug.	7,720.5 (100.0%) 6,370.1 (100.0%)	554.8 (7.2%) 498.2 (7.8%)	5,346.8 (69.3%) 4,560.5 (71.6%)	1,818.9 (23.5%) 1,311.4 (20.6%)

Source: Banco de México, "Indicadores de Comercio Exterios"

## 4-2-3 Conversion Factor for Capital Goods (CFCG)

The Conversion Factor for Capital Goods (CFCG) is normally calculated using a formula similar to the one used for the SCF, replacing total imports and total exports by imports and exports of capital goods only.

Due to a lack of the required data, however, a value of 0.882 is adopted as the conversion factor for capital goods based on the following assumption and the figures in Table XI-13. The average import duty is assumed to be 15% as the duties applied to capital goods not produced in sufficient quantities by domestic producers range from 0% to 20%, and the import duty on machinery is 13%. And the export duty rate is assumed as a value of 0% for the same reason as the conversion factor for consumption.

## 4-2-4 Shadow Wage Rate

For economic analysis, labor costs are usually measured in terms of their opportunity costs, that is the value of lost marginal production for other purpose arising from the employ-

ment of laborers for a given project.

In the Manzanillo project, the cost of skilled labor is calculated based on actual market wages, assuming that the market mechanism is functioning properly. However, as these are domestic costs, they are converted to world prices by multiplying the local wage by the conversion factor for consumption.

Thus, the conversion factor for skilled labor

- = (Local market wage rate) x (CFC)
- $= 1 \times 0.914$
- = 0.914

For unskilled labor, the economic costs are calculated based on a simplified measure of the opportunity costs. Although there is an official minimum wage in Mexico, this wage is not used here for calculating the value of unskilled labor. In Mexico,  $40\% \sim 50\%$  of the laborers are underemployed, and the minimum wage usually exceeds the wages which are actually paid.

To measure the opportunity cost, that is the value of lost marginal product, the simplified method presented by Little and Mirrless, who are leading economists in the field of social cost-benefit analysis, is adopted. This is half the average additional value per worker in the agricultural sector. This estimate takes into account the fact that the marginal product of unskilled laborers in rural districts is usually less than the average production per laborer in the region: the law of diminishing returns.

In Mexico, half of the average additional value per worker in the agricultural sector was approximately 405 pesos/worker day in 1984, while, the minimum wage in Jalisco State was 550 pesos/worker day in the same year. Then, the conversion factor of additional value is estimated as 73.7% of the minimum wage.

Thus, the conversion factor for unskilled labor

- = (Minimum wage) x (Conversion factor of additional value) x (CFC)
- = (Minimum wage)  $\times 0.737 \times 0.914$
- = (Minimum wage)  $\times 0.674$

#### 4-3 Shadow Prices of Benefit Items

#### 4-3-1 Reduction in Staying Costs

The calculation of the reduction in ship's staying costs is based on charter rates and the cost of fuel, both quoted at world prices. Thus, this figure does not have to be converted for economic analysis.

#### 4-3-2 Reduction in Cargo Handling Costs

The conversion factor for personnel expenditures is as follows:

- (1) The conversion factor for skilled labor = 0.914
- (2) The conversion factor for unskilled labor = (Minimum wage)  $\times 0.674$

Since the maintenance costs contain many elements, the details of which are unknown, the standard conversion factor (0.939) is employed here as the convension factor for this cost.

The reduction in cargo handling costs converted into the shadow prices using the above conversion factors is presented in Table XI-14.

Table XI-14 Reduction in Cargo Handling Costs (Shadow Price)

(Unit: '000,000 pesos)

Vaca	Reduction in		Additional Costs	-	Net Reduction
Year	Labor Cost	Maintenance	Operation	Total	in Handling Costs
1987	24	-	_	-	24
1988	46	'	_		46
1989	70	_	_		70
1990	120	55	12	67	53
1991   					

## 4-3-3 Reduction in Time Costs

Since time costs are based on F.O.B. and American B/A (Bank Acceptance) rates, this figure does not have to be converted.

Table XI-15 sums up the benefits of the project to Mexico taking the shadow price into account.

Table XI-15 Total Benefit to Mexico (Shadow Price)

(Unit: '000,000 pesos)

17.		Reduction in Costs		Total
Year	Ships' Staying	Cargo Handling	Time	Total
1987	195	24	1	220
1988	391	46	2	439
1989	587	70	4	661
1990	783	53	7	843
1991	835	53	7	895

#### 4-4 Shadow Prices of Cost Items

#### 4-4-1 Construction Costs

The breakdown of construction costs by facility type and by currency (foreign and local) is shown in Tables XI-9 and XI-10 above. As imported materials for the project will be exempt from import duties, the foreign exchange portion will be in C.I.F. prices. On the other hand, the conversion factor for the portion of the construction costs paid for in local currency is calculated in the manner described in 4-1-2. The conversion factor for skilled labor is 0.914, exactly the same as the conversion factor for consumption. As for unskilled labor, it is calculated by multiplying the minimum wage by the conversion factor of additional value and the conversion factor for consumption.

The rental of construction equipment consists of rents for various machinery and vehicles including dredgers, paving machinery, dump trucks, and concrete mixing plants, and it is governed by various factors, such as the types of machines and the depreciation methods employed. Hence, it is difficult to evaluate the individual shadow price with acceptable accuracy. Thus, the entire cost is converted using the conversion factor for capital goods calculated above as 0.882.

As for the conversion factor for materials, a value of 0.914 which is the conversion factor for consumption, is employed.

The shadow price of construction costs is presented in Table XI-16.

Table XI-16 Construction Costs (Shadow Price)

(Unit: '000,000 pesos)

Facility	1985	1986	1987	1988	1989	Total
Channel & Basin		373	124	41	·	538
Mineral Bulk Berth	136	270	_	:		406
Grain Berth		187	187		_	374
Container Berth & Yard	_	·	134	349	153	636
Preparation & Temporary Work		10		1	18	29
Railway & Road	_		7	50	43	100
Transit Sheds	_	_	115	114	229	458
Land	-	27	103	4	3	137
Utilities		72	53	43	469	637
Navigation Aid	_	—,	74		-	74
Cargo Handling Equipments	-	. —	31	166	1,391	1,588
Total	136	939	828	768	2,306	4,977

## 4-4-2 Maintenance Costs

Since the maintenance costs include various indefinite elements such as repair costs, a simple average of the three conversion factors for consumption, capital goods, and unskilled labor is employed here as the conversion factor for maintenance costs.

Thus, the conversion factor for maintenance costs

- = [(CFC) + (CFCG) + (Conversion factor for unskilled labor)] ÷ 3
- $= (0.914 + 0.882 + 0.674) \div 3$
- = 0.823

Using this conversion factor, the maintenance costs in terms of the shadow price are listed in Table XI-17.

Table XI-17 Maintenance Costs (Shadow Price)

(Unit: '000,000 pesos)

Year	Cost
1987	13
1988	26
1989	58
1990	128
1991	

## 4-4-3 Summary of the Shadow Prices

The shadow prices of the project expenses are summarized in Table XI-18.

Table XI-18 Total Cost (Shadow Price)

(Unit: '000,000 pesos)

Year	Construction Costs	Maintenance Costs	Total
1985	136	_	136
1986	939	_	939
1987	. 828	13	841
1988	768	26	794
1989	2,306	58	2,364
1990	•	128	128
1991			Į

#### 5. Economic Profitability

## 5-1 Definition of the Internal Rate of Return (IRR)

As mentioned in Section 1-2, the economic profitability of the project is evaluated in terms of the internal rate of return. The internal rate of return is expressed as a discount ratio satisfying the following equation:

$$\frac{\text{n-1}}{\Sigma} \qquad \frac{\text{Bi - Ci}}{(1 + \text{IRR})^{\text{i}}} = 0 \qquad (XI-3)$$

where, n: Period of calculating IRR

Bi: Total amount of benefits at i-th year

Ci: Total amount of costs at i-th year

The difference between the "with" and "without" cases is substituted into Bi and Ci.

#### 5-2 Calculation and Assessment of the Internal Rate of Return

Table XI-19 shows the flow of costs and benefits calculated using shadow prices. The internal rate of return is calculated as IRR = 16.04%. The undepreciated amount of facilities which remains in the final year of the project is assessed as a benefit in that year.

There are various views concerning the critical percentage of IRR used to guide the judgement as to whether a project is feasible or not. The leading view is that the project is feasible if the IRR exceeds the opportunity cost of capital.

In port investment projects, IRRs usually range from 10% to 20%. It is generally considered that a project with an IRR of more than around 10% is economically feasible. Even if the economic calculation only takes into account the three items which are easily quantified, the IRR of the project is 16.04%. Therefore, the project is considered feasible.

Table XI-19 Cost/Benefit and IRR (Shadow Price)

IRR (%) = 16.04

(Unit: '000,000 pesos)

Year	Cost	Benefit	Benefit — Cost	P. Cost	P. Benefit	P. Value
1985	136.00	0.00	-136.00	136.00	0.00	-136.00
1986	939.00	0.00	-939.00	809.21	0.00	-809.21
1987	841.00	220.00	-621.00	624.57	163.38	-461.19
1988	794.00	439.00	-355.00	508.16	280.96	-227.20
1989	2,364.00	661.00	-1,703.00	1,303.84	364.57	-939.27
1990	128.00	843.00	715.00	60.84	400.68	339.84
1991	128.00	895.00	767.00	52.43	366.60	314.17
1992	128.00	895.00	767.00	45.18	315.92	270.74
1993	128.00	895.00	767.00	38.94	272.26	233.32
1994	128.00	895.00	767.00	33.56	234.62	201.06
1995	128.00	895.00	767.00	28.92	202.19	173.27
1996	128.00	895.00	767.00	24.92	174.24	149.32
1997	128.00	895.00	767.00	21.48	150.16	128.68
1998	128.00	895.00	767.00	18.51	129.40	110.89
1999	128.00	895.00	767.00	15.95	111.52	95.57
2000	128.00	895.00	767.00	13.74	96.10	82,36
2001	128.00	895.00	767.00	11.84	82.82	70.98
2002	128.00	895.00	767.00	10.21	71.37	61.16
2003	128.00	895.00	767.00	8.80	61.51	52.71
2004	128.00	895.00	767.00	7.58	53.00	45.42
2005	128.00	895.00	767.00	6.53	45.68	39.15
2006	128.00	895.00	767.00	5.63	39.36	33.73
2007	128.00	895.00	767.00	4.85	33.92	29.07
2008	128.00	895.00	767.00	4.18	29,23	25.05
2009	128.00	895.00	767.00	3.60	25.19	21.59
2010	128.00	895.00	767.00	3.11	21.71	18.60
2011	128.00	895,00	767.00	2.68	18.71	16.03
2012	128.00	895,00	767.00	2.31	16.12	13.81
2013	128.00	895.00	767.00	1.99	13.90	11.91
2014	128.00	2,699.00	2,571.00	1.71	36.11	34.40
Total	8,274.00	25,447.00	17,173.00	3,811.17	3,811.23	0.06

Note: P represents the present value.

#### 6. Sensitivity Analysis

## 6-1 Identification of Cases

Since every project appraisal makes use of forecasting, various uncertain factors enter the projection. Therefore, sensitivity tests are made to see if the project is justifiable when some of these factors are varied.

In this study, one test is made assuming that the growth rate of the GDP after 1986 is only 4.7%, rather than the 6% assumed in the original analysis.

## 6-2 Result of the Sensitivity Analysis

The result of the sensitivity analysis is presented in Table XI-20. In this alternative case, assuming a GDP growth of 4.7% per year after 1986, the IRR is 11.03%. In the original case, assuming a 6.0% growth rate, the IRR is 16.04%. In both cases, the IRR clearly exceeds 10%.

When we consider this IRR as well as the various intangible benefits (Section 2-5) which cannot be quantified, we conclude that the Short-term Development Project for the port of Manzanillo is unquestionably feasible from an economic viewpoint.

Table XI-20 Cost/Benefit and IRR (Shadow Price) - Alternative Case

IRR (%) = 11.03

(Unit: '000,000 pesos)

Year	Cost	Benefit	Benefit Cost	P. Cost	P. Benefit	P. Value
1985	136.00	0.00	-136.00	136,00	0.00	-136.00
1986	939,00	0.00	-939.00	845.72	0.00	-845.72
1987	841.00	123.00	-718.00	682.21	99.78	-582.43
1988	794.00	246.00	-548.00	580.11	179.73	-400.38
1989	2,364.00	370.00	-1,994.00	1,555.60	243.47	-1,312.13
1990	128.00	451.00	323.00	75.86	267.29	191.43
1991	128.00	614.00	486.00	68,33	327.75	259.42
1992	128.00	750.00	622.00	61.54	360.58	299.04
1993	128,00	750.00	622.00	55,43	324.76	269.33
1994	128.00	750.00	622.00	49.92	292.50	242.58
1995	128.00	750.00	622.00	44.96	263.44	218.48
1996	128.00	750.00	622.00	40.49	237,27	196.78
1997	128.00	750.00	622.00	36.47	213.70	177.23
1998	128.00	750.00	622,00	32.85	192.48	159.63
1999	128.00	750.00	622.00	29.59	173.36	143.77
2000	128.00	750,00	622.00	26.65	156.13	129.48
2001	128.00	750.00	622.00	24.00	140.62	116.62
2002	128.00	750.00	622.00	21.62	126.66	105.04
2003	128.00	750.00	622.00	19.47	114.07	94.60
2004	128.00	750.00	622.00	17.53	102.74	85.21
2005	128.00	750.00	622.00	15.79	92.54	76.75
2006	128.00	750.00	622.00	14.22	83.34	69.12
2007	128.00	750.00	622.00	12.81	75.07	62.26
2008	128.00	750.00	622.00	11.54	67.61	56.07
2009	128.00	750.00	622.00	10.39	60.89	50.50
2010	128.00	750.00	622.00	9.36	54.84	45.48
2011	128.00	750.00	622.00	8.43	49.40	40.97
2012	128.00	750.00	622.00	7.59	44.49	36.90
2013	128.00	750,00	622.00	6.84	40.07	33.23
2014	128.00	2,554.00	2,426.00	6.16	122.90	116.74
Total	8,274.00	20,858.00	12,584.00	4,507.48	4,507.48	0.00

Note: P represents the present value.

# CHAPTER XII. FINANCIAL ANALYSIS

## CHAPTER XII FINANCIAL ANALYSIS

## 1. Purpose and Methodology of Financial Analysis

#### 1-1 Purpose

In the economic analysis of the preceding chapter, the economic effectiveness of the investment is studied from the point of view of the national economy. The purpose of the financial analysis of this chapter is ① to ascertain the impact of the present project on the financial condition of the port management body, and ② to examine the profibility of the project itself, to determine whether the project is sound from a financial viewpoint.

In other words, based on the premise that financial control is carried out by business accounting under a self-supporting accounting system, this chapter examines the effects of the project, i.e., the balance of revenues and expenditures, to ascertain the financing situation, and presents the problems found and the measures to be taken.

Needless to say, the ascertainment of financial soundness is possible only through considering the entire state of financial affairs. Therefore, the analysis covers all the financial operations.

#### 1-2 Methodology

The investment effects of this project are analyzed by the following two methods:

- 1 Analysis by financial statements
  - The financial viability of the project is appraised based on the projected financial statements (income statement, statement of source and application of funds and balance sheet) to analyse revenues and expenditures, fund raising conditions and financial status.
- ② Analysis by discount cash flow The profitability of the project itself is analyzed seeking the Financial Rate of Return (FRR) using the Discount Cash Flow Method.
  - The FRR is a discount rate which makes the net present value of the cash flow (revenue minus cost) equal to zero.

#### 1-3 Assumptions for Financial Analysis

The following points are assumed for the analysis:

- ① Only the commercial port functions in the inner port are analyzed. The revenues and expenditures connected with the passenger terminal, however, are calculated separately.
- 2) The costs of the construction of infrastructures which are closely related to this project such as railways, roads, industrial water works, water drainage, and power

- supply are excluded. However, the costs within the port area are included.
- A port management body is assumed to control the entire commercial port of the port of Manzanillo including "Servicios Portuarios de Manzanillo, S.A. de C.V.", and this management body is the object of the analysis. The financial status of "Servicios Portuarios de Manzanillo, S.A. de C.V." is analyzed separately.
- (4) The accounting is carried out according to the business accounting system.
- (5) The financial analysis covers the period from 1985 to 2014.
- 6) The funds necessary to execute this project are to be raised as follows:
  - Domestic currency portion: Government funds (Government subsidy)
  - Foreign currency portion: Loans from a foreign country under the following loan conditions: Interest rate of 4.75% per annun, and repayment terms of 25 years (with a 7 year grace period)
- The revenue is calculated based on the current port tariff rate authorized by the Mexican government and the stevedoring tariff rate of Manzanillo Port.
- (8) The fixed assets consist of the assets related to the existing facilities and the additional investment. Depreciation is calculated using the straight line method, assuming no residual value. The depreciation period is in accordance with the standards of the Mexican government.

#### 2. Revenues

#### 2-1 Revenue from Port Tariffs

As indicated in the above assumptions, the revenue is calculated using the Mexican government's set tariff rates and the tariff rates set by "Servicios Portuarios de Manzanillo, S.A. de C.V.", not special port tariff rates for the port of Manzanillo determined by the costs arising from this project. The types of dues and charges are explained below.

## Ship charges

(1) Port dues

The unit charge per DWT is established on the basis of the tariff, and is multiplied by the per year DWT of entering vessels, classified by type for each year.

- ② Charge for use of quaywall
  - The cumulative total is computed by multiplying the berthing days by the occupied length of quaywall for each year, estimating the number of vessels classified by type and size.
- 3 Towage

The unit charge per vessel is established on the basis of the tariff, and is multiplied by the number of vessels entering each year.

Water supply

The unit charge per vessel is estimated on the basis of the tariff from past business records, and is multiplied by the number of vessels entering each year.

#### O Cargo and facilities charges

① Charge for use of wharf

The unit charge per ton of cargo is established on the basis of the tariff, and is multipiled by the volume of cargo passing through the facilities each year.

## 2-2 Revenue from Stevedoring Charges and Storage Fees

The charges and fees are explained below.

(1) Cargo handling charge

The unit charge per ton of cargo is established on the basis of the tariff, estimating the type of cargo and the handling time, and is multiplied by the volume of cargo to be handled on each route for each year.

This 'equals the total tariff collected per year, and would usually be considered as gross income. However, due to the existing contract relations between the port and the longshoremen's union, in this analysis we first subtract the payment to the union.

Thus the total tariff collected per year minus the payment to the union is considered as the net income to the port management body.

(2) Charge for use of storage facilities

The unit charge per ton of cargo for use of the storage facilities is established on the

basis of the tariff, and is multified by the estimated cargo staying days and by the volume of cargo using the storage facilities for each year.

## 3 Others

Other revenues are estimated from past business records, and include rental income from land and facilities.

The current tariff rates, the number of calling vessels, and the volume of cargo passing through the port including the volume of cargo using the storage facilities are shown in Table XII-1, XII-2 and XII-3 respectively.

and the state of t			
Item	Application	Tariff (pesos)	Note
1. Port Dues	Tariff x Tounage (G/T) of ship	24.00 12.00	Foreign Trade Domestic Trade
2. Charge for Use of Quaywall	Tariff x Hours x Occupied length of quaywall by ship	4.60	
3. Charge for Use of Wharf	Tariff × Cargo ton	15,00 30,00 15,00	Foreign Trade — Export  " — Import  Domestic Trade
4. Charge for Use of Storage Facilities	Tariff × Day × Cargo ton	66.00 135.00 210.00 33.00 67.50 105.00	Warehouse $15 \sim 29 \text{ day}$ " $30 \sim 44 \text{ "}$ " $45 \sim \text{ "}$ Open storage $15 \sim 29 \text{ "}$ " $30 \sim 44 \text{ "}$ " $45 \sim \text{ "}$
5. Concession Charge	Tariff × m <sup>2</sup> Tariff × Land value	7,500.00 5%	$8.00 \sim 250.00 \text{ m}^2$ $200.00 \sim 1,000.00 \text{ m}^2$
6. Towage	Tariff per ship	50,000.00 25,000.00 35,000.00 17,500.00 6,250.00	(over 3,000 G/T) Arrive and leave Turning etc. (under 3,000 G/T) Arrive and leave Turning etc.  Overtime by 15 minutes
7. Water Supply	Tariff × m <sup>3</sup>	162.00 202.50	National Foreign
8. Cargo Handling Charge	II-2 From quay to t II-3 From quay to c	270.38 221.05 202.80 165.79 122.86 uay, or vice versaruck or railway vargo sorting area	
	II-5 Transfer in the		or within the port area ar warehouse contiguous to the

Table XII-2 Number of Ships

A STATE OF THE PARTY OF THE PAR		Foreig	n Trade		Domostio	
Year	General Cargo	Container	Agricultural Bulk	Mineral Bulk	Domestic Trade	Total
1985	230	0	31	8	31	300
1986	252	10	33	11. 11. 11. 12.	30	336
1987	275	20	35	14	29	373
1988	297	30	37	16	28	408
1989	320	40	39	19	27	445
1990	342	50	41	22	26	481
1991	345	57	40	24	27	493
1992	348	63	40	25	27	503
1993	350	70	39	27	28	514
1994	353	76	38	29	29	525
1995	356	82	3,7	31	30	536

Table XII-3 The Volume of Cargo Passing through Manzanillo Port

(Unit: '000 t)

	Total	r	Direct Cargo	)	Indirect Cargo				
Package Type	Cargo Volume	Rail	Truck	Sub-total	Store Yard	Storage Facilities	Sub-total	Rail	Truck
Foreign Trade									
General Cargo excluding Scrap Iron	727	78	85	163	356	208	564	142	422
Scrap Iron	60	. 6		6	54		54	54	. <del></del> .
(General Cargo Total)	(787)	(84)	(85)	(169)	(410)	(208)	(618)	(196)	(422)
Container Cargo	190		57	57	133	_	133		133
Grain	813	41	772	813	<del>-</del>				·
Mineral Bulk Domestic Trade	334	60	94	154		180	180	73	107
General Cargo	37	7	8	15	14	8	22	. 4	18
Mineral Bulk	143	43	64	107		36	36	14	22
Grand Total	2,304	235	1,080	1,315	557	432	989	287	702

2000 (Unit: '000 t)

	Total	1	Direct Cargo	0	Indirect Cargo				
Package type	Cargo Volume	Rail	Truck	Sub-total	Store Yard	Storage Facilities	Sub-total	Rail	Truck
Foreign Trade									
General Cargo excluding Scrap Iron	798	137	139	276	94	428	522	104	418
Scrap Iron	128	13		13	115		115	115	-
(General Cargo Total)	(926)	(150)	(139)	(289)	(209)	(428)	(637)	(219)	(418)
Container Cargo	516		- 155	155	361	· -	361	-	361
Grain	705		355	355	<u>.</u>	350	350	280	70
Mineral Bulk	603	110	110	220	_	383	383	153	230
Domestic Trade				1		]			
General Cargo	39	_	16	16	23	_	23		23
Mineral Bulk	293		216	216	-	77	77	-	77
Grand Total	3,082	260	991	1,251	593	1,238	1,831	652	1,179

#### 3. Expenditures

#### 3-1 Personnel and Others

This item includes the personnel cost and general administration costs for "Servicios Portuarios de Manzanillo, S.A. de C.V." and for the local office of the related governmental agency.

Expenses associated with personnel are calculated on the basis of the number of employees needed. The number of personnel in the future is estimated as the same as at present, considering an advance of working efficiency by mechanization.

As a per capita annual personnel cost, the average annual per capita personnel cost of the industrial port of Lázaro Cárdenas is used, adjusted for inflation.

The general administration cost is 20% of the personnel cost. This percentage is estimated based on experience in Japan.

## 3-2 Maintenance and Repair Costs

The maintenance and repair costs of the facilities are estimated as a certain proportion (2% for structures, 5% for machines) of the construction or purchase cost of each facility.

#### 3-3 Depreciation Expense

The depreciation expense of existing fixed assets is calculated based on the details of the financial data for each asset. The additional facilities provided by the project are regarded as additional fixed assets. The service life and depreciation rate of each facility are listed in Table XII-4. These are set according to the guidelines of the Mexican government. Based on the depreciation rate, the annual depreciation expense is computed by the straight line method. The fixed assets schedule is indicated in Appendix Table M-8.

### 3-4 Interest on Long-term Loans

This is calculated in Table XII-5 on the assumption that the foreign currency portion of the project cost is provided by the previously mentioned foreign loans.

Table XII-4 Life Cycle and Depreciation Rate of Main Facilities

Facility	Life Cycle (years)	Depreciation Rate (per year)
Breakwater	50	0.02
Channel	50	0.02
Quaywall	40	0.025
Seawali	50	0.02
Road	25	0.04
Railway	40	0.025
Shed	25	0.04
Warehouse	25	0.04
Storage Yard	25	0.04
Gantry Crane	10	0.1
Cargo Handling Equipment	5	0.2
Vehicles	5	0.2
Tugboat	15	0.067
Water Supply	30	0.033
Drainage	30	0.033
Electricities	10	0.1
Navigation Aids	10	0.1

Table XII-5 Schedule of Long-term Loans

(Unit: '000,000 pesos)

and the fact of th	der meine Marie der Stellen de	Project Cost			Loan	Loan	Interest
Year	Government Funds	Long-term Loan	Total		Repayment Amount	Balance at End of Year	Paid on the Loans
1985	977	7	984			7	
1986	1,130	205	1,335			212	0
1987	936	193	1,129			405	5
1988	768	248	1,016			653	10
1989	990	1,638	2,628			2,291	16
1990						2,291	54
1991						2,291	54
1992						2,291	54
1993		·			0	2,291	55
1994					8	2,283	58
1995		İ		. 1	15	2,268	62
1996			'		24	2,244	66
1997					83	2,161	95
1998					87	2,074	95
1999					91	1,983	96
2000		! 			96	1,887	96
2000	·				101	1,786	96
2001					105	1,681	96
2002					110	1,571	96
2003					116	1,455	96
2004					121	1,334	96
2003					127	1,207	96
					133	1,074	96
2007					140	934	96
2008					146	788	96
2009					153	635	96
2010					165	470	101
2011					155	315	92
2012				٠	1	167	85
2013			1		148		107
2014		· 1			167	0	107

#### 4. Financial Situation

## 4-1 Evaluation by Financial Statements

Financial statements from 1985 to 2014 are prepared according to the above estimate of revenues and expenditures. Table M-9 is the income statement, Table M-10 is the statement of source and application of funds, and Table M-11 is the balance sheet. These tables are attached in Appendix.

The income statement shows that the operating revenue is sufficient to cover operating expenditures. The balance of revenues and expenditures and the earning position are extremely favorable in that a relatively large amount can be set aside each year as internal reserves. The statement of source and application of funds shows the cash flow after the execution of the project, in order to ascertain the long-term debt or the repayment schedule of the loans.

The projected financial condition of the project is ascertained using various financial ratios.

## 4-1-1 Financial Ratios Used for Analysis

The following five financial ratios are to be used for analysis. These ratios are adopted for analysis considering those financial ratios which are mostly widely used for the financial analysis of feasibility studies in port projects by the World Bank and the Asian Development Bank.

① Working Ratio . . . . to ascertain the income position

(2) Operating Ratio . . . to ascertain the income position

3 Return on Net Fixed Assets . . . to ascertain the earning capacity

(4) Interest Earned Ratio . . . to ascertain interest payment capacity

⑤ Debt Service Coverage . . . . to ascertain loan repayment capacity

Operating profit + Depreciation expense

Repayment and interest on long-term loans × 100

## 4-1-2 Evaluation of Financial Ratios

For the financial ratios, average figures taken from financial statements are shown in Table XII-6.

- 1 Working Ratio
  - The working ratio is very good compared with those of the ports in Europe, North America, and Australia.
- 2 Operating Ratio
  - Like the working ratio, the operating ratio has a very favorable value.
- ③ Return on Net Fixed Assets
  - This also is very good when compared with the ports in European and North American countries. Considering the fact that the net fixed assets from the new investment account for an overwhelming proportion of the total net fixed assets, it is noteworthy that the earning capacity taken as a whole is as high as this.
- 4 Interest Earned Ratio
  - The high value of this ratio shows the high capability of this port to pay the interest charges.

Table XII-6 Financial Ratios

(Unit: %)

				(
Working Ratio	Operating Ratio	Return on Net Fixed Assets	Interest Earned Ratio	Debt Service Coverage
69.6	95.7	0.75		
64.4	88.3	2.1	:	
60.0	80.6	3.2	4,650	9,580
56.7	76.6	3.8	3,221	5,963
57.3	76.9	3.1	2,149	3,973
53.0	74.5	3.5	733	1,351
51.4	92.0	0.92	236	1,436
50.0	89.4	1.5	323	1,521
48.6	86.3	2.3	427	1,602
47.3	83.5	3.2	494	1,416
46.1	80.7	4.2	562	1,256
46.1	68.9	7.6	845	1,074
46.1	68.9	7.6	585	543
46.1	68.9	8.2	585	531
46.1	68.4	8.9	593	517
46.1	68.4	9.6	593	504
	69.6 64.4 60.0 56.7 57.3 53.0 51.4 50.0 48.6 47.3 46.1 46.1 46.1	Working Ratio         Ratio           69.6         95.7           64.4         88.3           60.0         80.6           56.7         76.6           57.3         76.9           53.0         74.5           51.4         92.0           50.0         89.4           48.6         86.3           47.3         83.5           46.1         68.9           46.1         68.9           46.1         68.9           46.1         68.9           46.1         68.9           46.1         68.4	Working Ratio         Ratio         Fixed Assets           69.6         95.7         0.75           64.4         88.3         2.1           60.0         80.6         3.2           56.7         76.6         3.8           57.3         76.9         3.1           53.0         74.5         3.5           51.4         92.0         0.92           50.0         89.4         1.5           48.6         86.3         2.3           47.3         83.5         3.2           46.1         68.9         7.6           46.1         68.9         7.6           46.1         68.9         7.6           46.1         68.9         8.2           46.1         68.4         8.9	Working Ratio         Ratio         Fixed Assets         Ratio           69.6         95.7         0.75           64.4         88.3         2.1           60.0         80.6         3.2         4,650           56.7         76.6         3.8         3,221           57.3         76.9         3.1         2,149           53.0         74.5         3.5         733           51.4         92.0         0.92         236           50.0         89.4         1.5         323           48.6         86.3         2.3         427           47.3         83.5         3.2         494           46.1         80.7         4.2         562           46.1         68.9         7.6         845           46.1         68.9         7.6         585           46.1         68.9         8.2         585           46.1         68.4         8.9         593

## (5) Debt Service Coverage

The high value of this ratio shows that there will be no problem in repaying the loans. One of the principle reasons is the high revenue of the project.

## 4-2 Evaluation by Discount Cash Flow (DCF)

In evaluating the financial profitability of the project, the financial rate of return (FRR) using the discount cash flow (DCF) method is determined using the same formula presented in Chapter XI, Section 5-1, converting IRR to FRR. It uses the earning increase after the completion of the project as the Benefit and the project construction cost and cost of purchasing the cargo handling equipment as the Cost. The profit before depreciation and before interest payment for each year is the operating profit, i.e., the benefit.

The total FRR of the project is 7.21% as shown in Table XII-7. The desirable level of FRR varies, depending on time and place, and the expectations of the lender and borrower. For borrowers, the interest rate paid on raised funds is the lower limit.

In this project, 36.3% of the overall construction cost (i.e. the foreign portion) is assumed to be raised by loans with a 4.75% interest rate. Thus, the FRR is required to exceed 1.72%, which is the weighted average interest rate for all the project funds. Judging from this point of view, this project can be regarded as feasible, since the FRR of the project is 7.21%, well above the weighted average interest rate.

However, if the re-investment for new facilities will be constructed in this project takes place without acceptance of any loans, this average interest rate will be raised up to 7.87% (1.72% plus 6.15% of the average depreciation rate).

## 4-3 Conclusion

As shown by the foregoing financial ratios which are based on data from the three financial statements, and by the FRR, there is no problem in balancing revenues and expenditures or in raising funds. With the new investments, the financial soundness of the port is easily secured and financial viability clearly demonstrated.

# 4-4 Financial Situation of Servicios Portuarios de Manzanillo, S.A. de C.V.

The financial situation of the entire commercial port of the port of Manzanillo is analyzed above. Here, the financial situation of "Servicios Portuarios de Manzanillo, S.A. de C.V." is calculated separately. The calculation method is the same as the method employed for determing the financial situation of the port as a whole. The financial statements (income statement and statement of source and application of funds) of "Servicios Portuarios de Manzanillo, S.A. de C.V." are presented in Appendix Tables M-12 and M-13.

From the above results, the operating revenue is sufficient to cover the operating expenditure, and it is possible to depreciate after paying the interest on the loan.

Table XII-7 Cost/Benefit and FRR

FRR (%) = 7.21

(Unit: '000 pesos)

				r a tagada ta	`	
Year	Cost	Benefit	Benefit  — Cost	P. Cost	P. Benefit	P. Value
1985	194,875.00	0.00	-194,875.00	194,875.00	0.00	-194,875.00
1986	1,335,100.00	0.00	-1,335,100.00	1,245,370.00	0.00	-1,245,370.00
1987	1,128,800.00	95,638.00	-1,033,160.00	982,166.00	83,214.00	-898,952.00
1988	1,016,130.00	187,596.00	-828,532.00	824,713.00	152,257.00	-672,456.00
1989	2,628,310.00	229,913.00	-2,398,400.00	1,989,830.00	174,061.00	-1,815,769.00
1990	0.00	349,024.00	349,024.00	0.00	246,479.00	246,479.00
1991	0.00	395,368.00	395,368.00	0.00	260,441.00	260,441.00
1992	0.00	451,598.00	451,598.00	0.00	277,489.00	277,489.00
1993	0.00	487,940.00	487,940.00	0.00	279,669.00	279,669.00
1994	0.00	534,336.00	534,336.00	0.00	285,678.00	285,678.00
1995	0.00	580,771.00	580,771.00	0.00	289,636.00	289,636.00
1996	0.00	580,771.00	580,771.00	0.00	270,170.00	270,170.00
1997	0.00	580,771.00	580,771.00	0.00	252,013.00	252,013.00
1998	0.00	580,771.00	580,771.00	0.00	235,075.00	235,075.00
1999	0.00	580,771.00	580,771.00	0.00	219,276.00	219,276.00
2000	0.00	580,771.00	580,771.00	0.00	204,539.00	204,539.00
2001	0.00	580,771.00	580,771.00	0.00	190,792.00	190,792.00
2002	0.00	580,771.00	580,771.00	0.00	177,970.00	177,970.00
2003	0.00	580,771.00	580,771.00	0.00	166,009.00	166,009.00
2004	0.00	580,771.00	580,771.00	0.00	154,852.00	154,852.00
2005	0.00	580,771.00	580,771.00	0.00	144,444.00	144,444.00
2006	0.00	580,771.00	580,771.00	0.00	134,736.00	134,736.00
2007	0.00	580,771.00	580,771.00	0.00	125,681.00	125,681.00
2008	0.00	580,771.00	580,771.00	0.00	117,234.00	117,234.00
2009	0.00	580,771.00	580,771.00	0.00	109,355.00	109,355.00
2010	0.00	580,771.00	580,771.00	0.00	102,006.00	102,006.00
2011	0.00	580,771.00	580,771.00	0.00	95,150.00	95,150.00
2012	0.00	580,771.00	580,771.00	0.00	88,755.10	88,755.10
2013	0.00	580,771.00	580,771.00	0.00	82,790.10	82,790.10
2014	0.00	2,385,250.00	2,385,250.00	0.00	317,170.00	317,170.00
Total	6,303,210.00	16,151,300.00	9,848,110.00	5,236,954.00	5,236,941.00	-13.00

Note: P represents the present value.

#### 4-5 Balance of Revenues and Expenditures of the Passenger Terminal

#### 4-5-1 Calculating Conditions

This section examines the balance of revenues and expenditures of the passenger terminal which will be constructed in the outer port. The existing shed located on the old pier named "Muelle Fiscal" will be converted into the passenger terminal.

The necessary improvement work includes rehabilitation of the pier, provision of furniture and fixtures, and installation of an air conditioner. The rehabilitation work will probably take place after 1990.

#### 4-5-2 Revenues

The revenues of the passenger terminal are the total of the tariffs paid by passenger vessels. Table XII-8 shows the tariff rates related to the revenue of the passenger terminal.

Item	Application	Tariff (pesos)
1 Port Dues	Tariff x Tonnage (G/T)	24.0
2 Charge for Use of Quaywall	Tariff x Hours x Occupied length	4.6
3 Towage	Tariff per ship	10,000*(1)
4 Water Supply	Tariff x m <sup>3</sup>	202.5
5 Concession Charge	Tarfff x m <sup>2</sup>	7,500
6 Charge for Use of Passenger Terminal	*(2) 20% of charge for use of quaywall	

Table XII-8 Tariff Rates for the Passenger Terminal

#### 4-5-3 Expenditures

The expenditures related to the passenger terminal are estimated as follows:

- ① Personnel and general administration cost "Servicios Portuarios de Manzanillo, S.A. de C.V." will operate the passenger terminal. The number of personnel required to run the terminal is estimated as 2 persons including a watchman.
  - The general administration cost is 20% of the personnel cost.
- ② Cost of water and electricity

  The volume of water supply is estimated at 4,000 m³/year for the terminal and 200 m³ per ship. The cost of water per m³ is 90 pesos for the terminal and 130 pesos for ships including the cost of pipe connection to the ships, based on the actual costs

Note: \*(1) This figure is the net income from towage work. The cost of towage is estimated as about 80% of gross income.

<sup>\*(2)</sup> This charge is estimated based on the tariff for the passenger terminal at the port of Acapulco.

at Manzanillo.

The total consumption of electricity of the terminal is estimated at 700,000 KWH per year. The actual cost is 7 pesos per KWH.

- (3) Maintenance cost
  - The maintenance cost of the facilities is assumed as a certain proportion (2% for building and fixed structures, 5% for machines) of the construction or purchase cost of each facility.
- 4 Depreciation expense

The service life and depreciation rate of each facility are listed in Table XII-9.

Table XII-9 Life Cycle and Depreciation Rate

Facility	Life Cycle (Years)	Depreciation Rate (per Year)
Pier	40	0.025
Building	25	0.04
Air Conditioner and Other Fixtures	15	0.07

The investments for the passenger terminal are listed in Table XII-10.

Table XII-10 Investments for the Passenger Terminal

Item	Construction Year	Cost ('000 pesos)
Existing Facilities		
Pier	1952	432,000
Shed	1952	281,460
New Investment		•
Rehabilitation of Pier		40,000
Furniture and Fixtures		81,300
Air Conditioner		31,700

## 4-5-4 Calculation Result

The result of the calculation on the balance of the revenues and expenditures of the passenger terminal is shown in Table XII-11. The calculation is based on the number of calling vessels.

Judging from Table XII-11, revenues and expenditure will be balanced when the number of calling vessels reaches 95.

Table XII-11 Balance of Revenues and Expenditures

									(Unit	(Unit: '000 pesos)
Number of Calling Vessels	50	09	70	80	06	100	110	120	130	140
Revenues			·	·						
· Port Dues	24,000	28,800	33,600	38,400	43,200	48,000	52,800	57,600	62,400	67,200
· Charge for Use of Quaywall	777	932	1,088	1,243	1,398	1,554	1,709	1,864	2,020	2,176
· Towage	500	009	700	800	006	1,000	1,100	1,200	1,300	1,400
· Water Supply	1,976	2,371	2,766	3,161	3,556	3,951	4,346	4,741	5,137	5,532
Concession Charge	6,773	6,773	6,773	6,773	6,773	6,773	6,773	6,773	6,773	6,773
Charge for Use of Passenger     Terminal	155	187	218	249	280	311	342	373	404	435
Total	34,181	39,663	45,145	50,626	56,107	61,589	67,070	72,551	78,034	83,516
Expenditures					yagada akki subakada					
Personnel and General     Administration Cost	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
· Water and Electricity	6,560	6,820	7,080	7,340	7,600	7,860	8,120	8,380	8,640	8,900
· Maintenance Cost	18,280	18,280	18,280	18,280	18,280	18,280	18,280	18,280	18,280	18,280
· Depticiation Expense	28,530	28,530	28,530	28,530	28,530	28,530	28,530	28,530	28,530	28,530
Total	57,070	57,330	57,590	57,850	58,110	58,370	58,630	58,890	59,150	59,410
Net Income	-22,889	-17,667	-12,445	-7,224	-2,003	3,219	8,440	13,661	18,884	24,106

# 5. Sensitivity Analysis

# 5-1 Identification of Cases

The sensitivity analysis is conducted assuming that the annual GDP growth rate after 1986 will be 4.7%.

#### 5-2 Result

The financial statements (income statement, and statement of source and application of funds) and the FRR are shown in Appendix Table M-14 and M-15, and Table XII-12, calculated on the assumption of a 4.7% GDP growth rate.

From the above results, the operating revenue is sufficient to cover the operating expenditure, and it is possible to show a net profit after depreciation and after paying the interest on the loans. Since funds are still sufficient after beginning the repayment of the loan, it can be said that the project is financially sound. In addition, the Financial Rate of Return (FRR) is 6.48%, so it can be said that the project is viable from a financial point of view.

Table XII-12 Cost/Benefit and FRR - Alternative Case

FRR (%) = 6.48

(Unit: '000 pesos)

			the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa			(outer odo bassa)
Year	Cost	Benefit	Benefit — Cost	P. Cost	P. Benefit	P. Value
1985	194,875.00	0.00	-194,875.00	194,875.00	0.00	-194,875.00
1986	1,335,100.00	0.00	-1,335,100.00	1,253,880.00	0.00	-1,253,880.00
1987	1,128,800.00	77,907.00	-1,050,890.00	995,644.00	68,717.00	-926,927.00
1988	1,016,130.00	152,040.00	-864,090.00	841,743.00	125,947.00	-715,796.00
1989	2,628,310.00	176,656.00	-2,451,650.00	2,044,800.00	137,437.00	-1,907,363.00
1990	0.00	268,173.00	268,173.00	0.00	195,944.00	195,944.00
1991	0.00	313,483.00	313,483.00	0.00	215,117.00	215,117.00
1992	0.00	344,668.00	344,668.00	0.00	222,129.00	222,129.00
1993	0.00	383,978.00	383,978.00	0.00	232,410.00	232,410.00
1994	0.00	419,181.00	419,181.00	0.00	238,283.00	238,283.00
1995	0.00	454,464.00	454,461.00	0.00	242,624.00	242,624.00
1996	0.00	489,666.00	489,666.00	0.00	245,515.00	245,515.00
1997	0.00	524,977.00	524,977.00	0.00	247,208.00	247,208.00
1998	0.00	560,161.00	560,161.00	0.00	247,730.00	247,730.00
1999	0.00	605,472.00	605,472.00	0.00	251,480.00	251,480.00
2000	0.00	605,472.00	605,472.00	0.00	236,182.00	236,182.00
2001	0.00	605,472.00	605,472.00	0.00	221,814.00	221,814.00
2002	0.00	605,472.00	605,472.00	0.00	208,321.00	208,321.00
2003	0.00	605,472.00	605,472.00	0.00	195,649.00	195,649.00
2004	0.00	605,472.00	605,472.00	0.00	183,747.00	183,747.00
2005	0.00	605,472.00	605,472.00	0.00	172,569.00	172,569.00
2006	0.00	605,472.00	605,472.00	0.00	162,072.00	162,072.00
2007	0.00	605,472.00	605,472.00	0.00	152,213,00	152,213.00
2008	0.00	605,472.00	605,472.00	0.00	142,953.00	142,953.00
2009	0.00	605,472.00	605,472.00	0.00	134,257.00	134,257.00
2010	0.00	605,472.00	605,472.00	0.00	126,090.00	126,090.00
2011	0.00	605,472.00	605,472.00	0.00	118,420.00	118,420.00
2012	0.00	605,472.00	605,472.00	0.00	111,216.00	111,216.00
2013	0.00	605,472.00	605,472.00	0.00	104,451.00	104,451.00
2014	0.00	2,409,950.00	2,409,950.00	0.00	390,454.00	390,454.00
Total	6,303,220.00	15,657,400.00	9,354,170.00	5,330,942.00	5,330,949.00	7.00

Note: P represents the present value.

# APPENDIX

#### **APPENDIX**

#### 1. Detailed Soil Profile at the Port of Manzanillo

Soil conditions of the San Pedrito and the Tapeixtles Lagoons in the inner port are discussed in this section. Samples from 138 points of boring have been collected to date. However the locations of 5 points cannot be confirmed and there are 7 points which can be classified into individual zones but their locations within these zones cannot be confirmed. The soil profiles of sections (1) to (2) (See Fig. M-1) are shown in Fig. M-2 to M-13 respectively.

#### 1-1 Soil Profiles of Longitudinal Sections

The soil profiles of the north-south longitudinal sections in the San Pedrito Lagoon are shown in Fig. M-2 to M-5, and that of the Tapeixtles Lagoon is shown in Fig. M-11.

As shown in Fig. M-2, the soil profile of section (1) was obtained from borings made in 1983. The data show that the maximum depth of water is 14 m at point M 16 and the depth decreases to the north and south. The water in section (1) is deeper than in other sections, probably because it may have been dredged for the new wharves that are currently under construction. The maximum depth of the soft organic soil or clay is 17 m at M 16, and decreases to the north and south too.

The depth of the fine and stiff sand layer between M 16 and M 31 is from 11 m to 15 m, but in the northern portion of Zone B between M 34 and M 40 this sand layer isn't thick and there is a slightly stiff clay layer beneath it.

On the other hand, in the southern portion between M 4 and M 7, stiff sandy silt, sandy clay and sandy soil with gravel layers lie directly beneath the soft layer.

As shown in Fig. M-3 to M-5, sections ②to ④ have similar soil distribution patterns. These data were obtained from borings made in 1972. From the ground surface down they consist of soft organic soil or clay of about 10 m in thickness, followed by a sand layer and then a complex layer of sandy, silty and clayey soils. The outstanding feature in these sections is that the thickness of the sand layer, which is one of the most important layers as the bearing stratum for foundations, changes from 12 m at S 7, S 8 and S 9 to 1.6 m at S 45, and decreases to the northeast. Furthermore, the thickness of the sand layer can not be obtained with the exception of borings S 5, 7, 8, 9, 45 and 46, because the borings were shallow, stopping in the middle of this sand layer, about 20 m deep.

As shown in Fig. M-11, the soil profile of section (1) in the Tapeixtles Lagoon has a similar pattern to that of the San Pedrito Lagoon. From the ground surface down it conists of soft organic soil or clay of about 10 m in depth.

Unfortunately, the borings were shallow, stopping from 12 m to 17 m deep, and the depth of the bearing stratum can't be confirmed clearly.

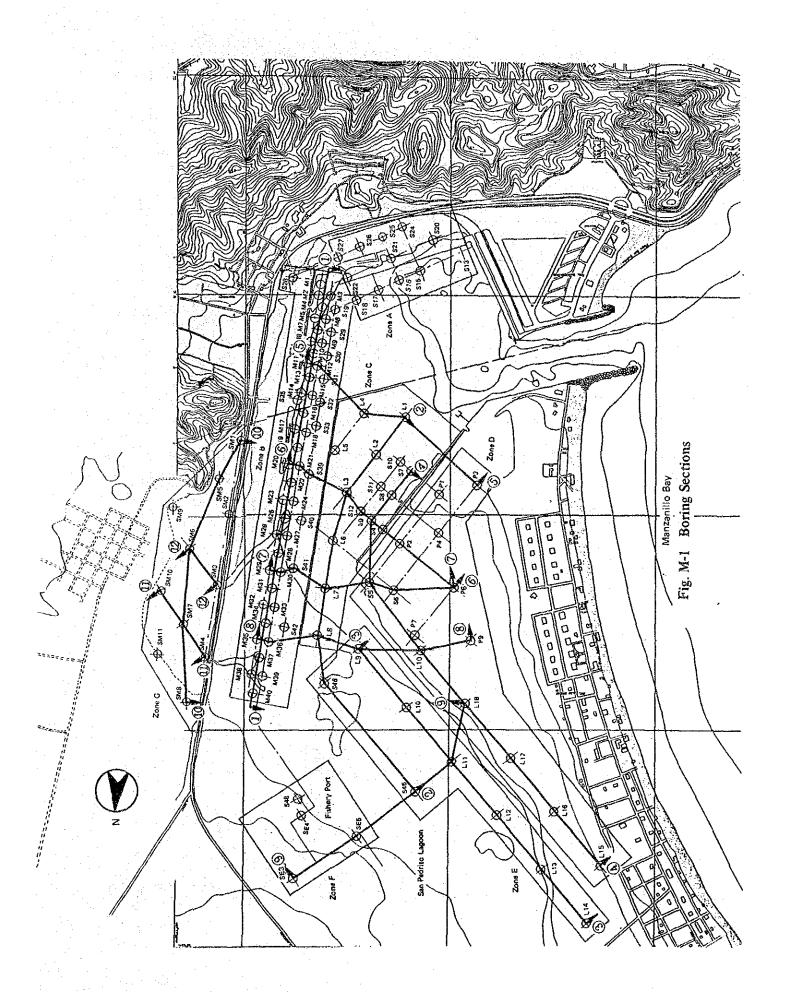
#### 1-2 Soil Profiles of Transverse Sections

The soil profiles of the east-west, transverse sections of the San Pedrito Lagoon are shown in Fig. M-6 to M-10 and those in the Tapeixtles Lagoon are shown in Fig. M-12 and M-13.

As shown in Fig. M-6 to M-9, the layer of soft organic soil or clay is thicker in the eastern part of these transverse sections (within longitudinal section ①), and in the northeast area with the exception Zone F, a slightly stiff sandy and complex layers underlie the fine and stiff sand layer.

Furthermore, the fine and stiff sand layer appears to be too thin to act as the bearing stratum for foundations in this area.

As shown in Fig. M-12 and M-13, the transverse sections in the Tapeixtles Lagoon have a similar pattern. However, the borings were too shallow to confirm the depth of the bearing stratum.



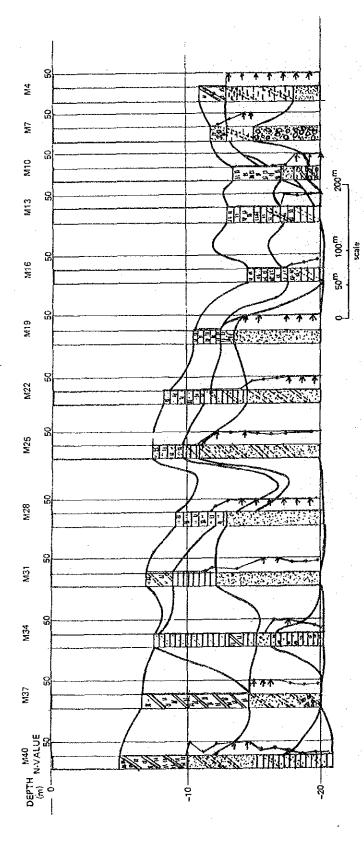


Fig. M-2 Soil Profile, Section (1) - (1)

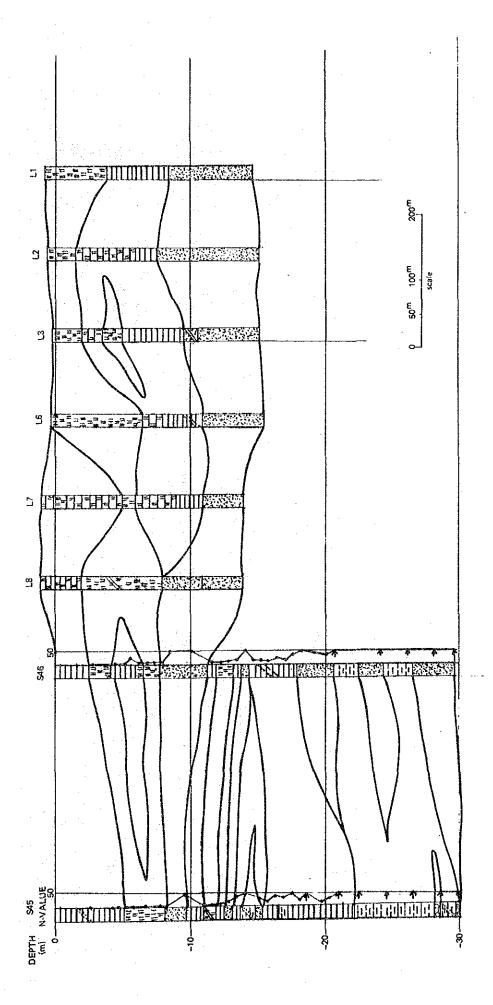
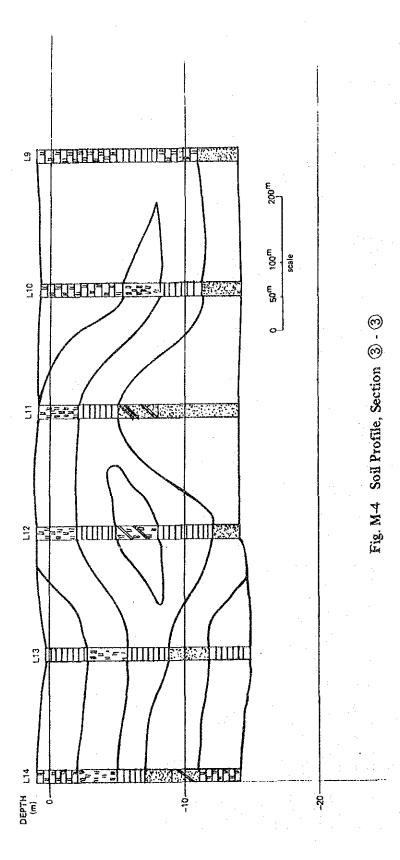


Fig. M-3 Soil Profile, Section (2) - (2)



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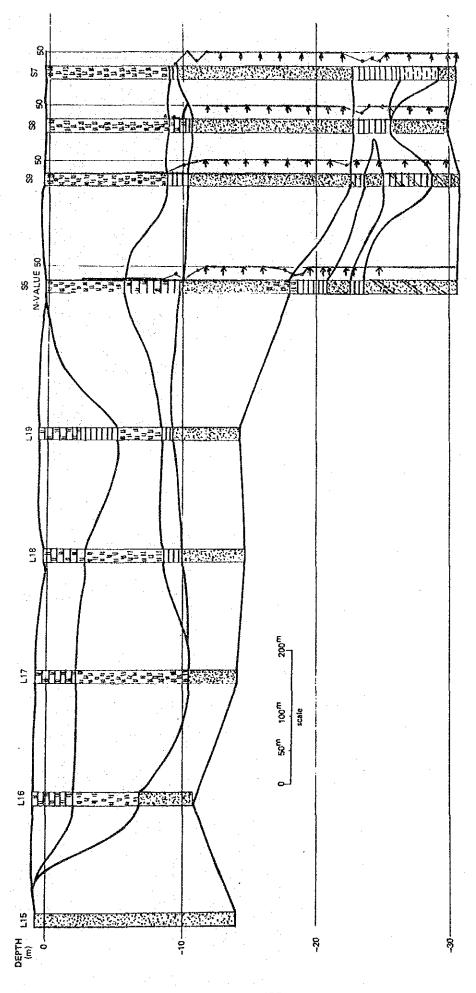


Fig. M-5 Soil Profile, Section (4) - (4)

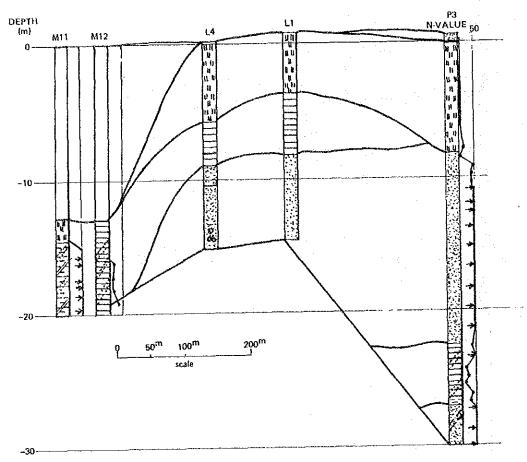


Fig. M-6 Soil Profile, Section (5) - (5)

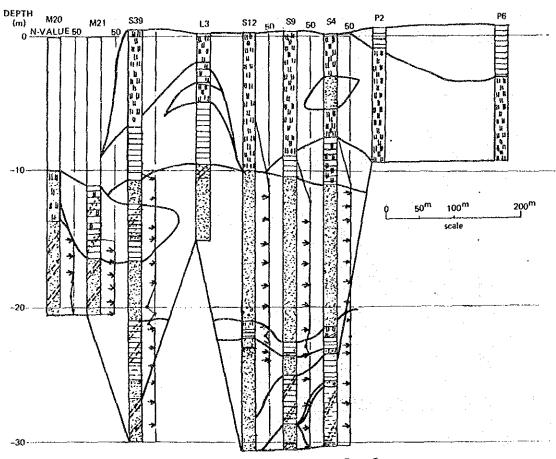


Fig. M-7 Soil Profile, Section 6 - 6

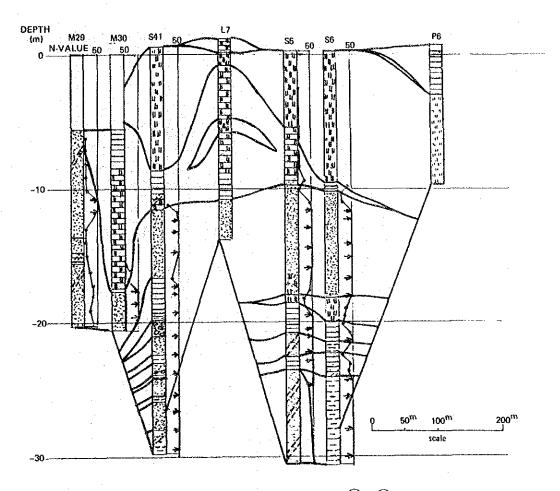


Fig. M-8 Soil Profile, Section 7 - 7

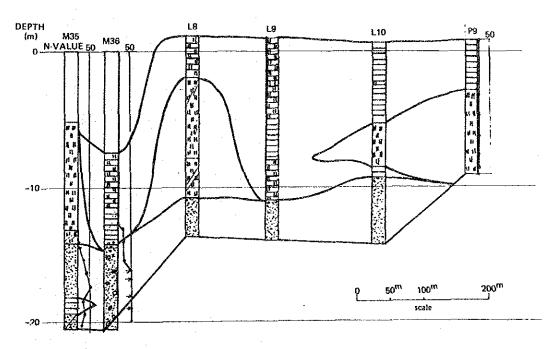


Fig. M-9 Soil Profile, Section (8) - (8)

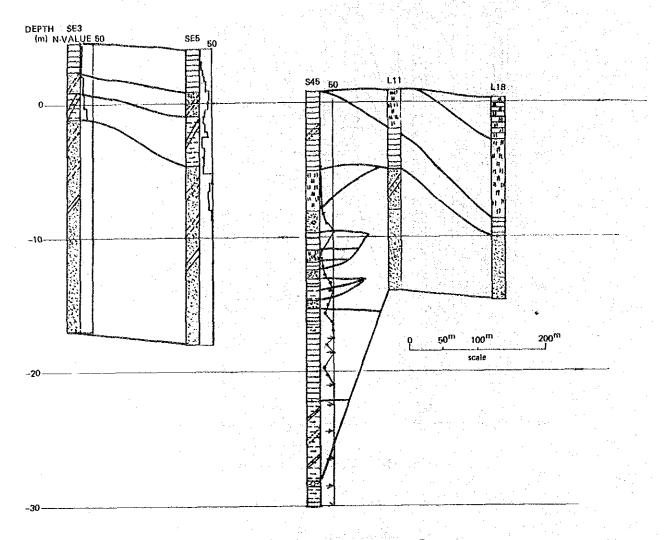
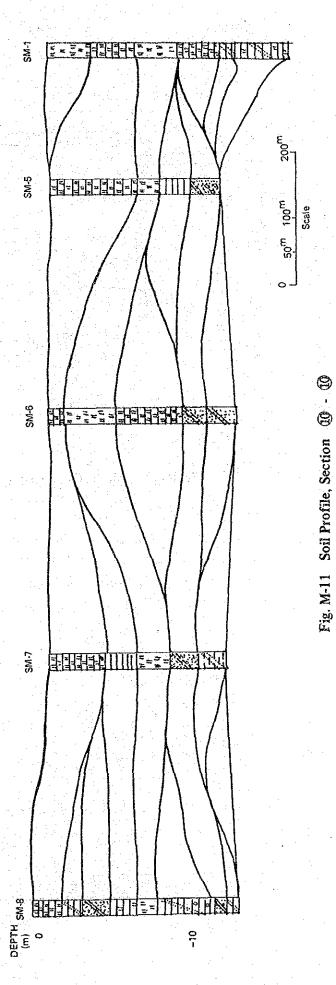
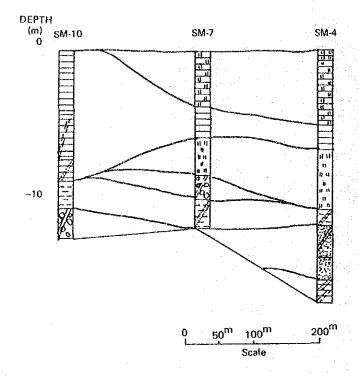


Fig. M-10 Soil Profile, Section 9 - 9





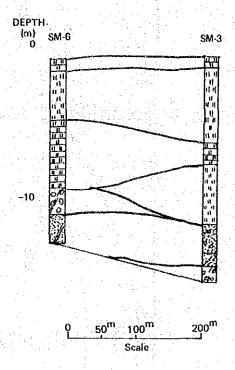


Fig. M-12 Soil Profile, Section ① - ①

Fig. M-13 Soil Profile, Section (2) - (2)

## 2. Construction and Cost Estimate for the Master Plan

## 2-1 Construction Quantities

The construction quantities of the fishery port facilities are listed in Table M-1.

Table M-1 Construction Quantity (Fishery Port)

	Facility	Unit	Quantity	Remarks
Item -	Sub Item	Ont	Quantity	. Will all the first the second
1. Dredging	(1) -7m Anchorage	m³	475,000	
	(2) -4m Anchorage	m³	275,000	
2. Quays	(1) -7m Quay	m	970	RC Pile, RC Sheet-pile
	(2) -4m Quay	m	800	RC Pile, RC Sheet-pile
3. Land and	(1) Wharf Lot	m²	80,000	Asphalt Pavement
Road	(2) Road	m	1,500	Asphalt Pavement, Lighting Poles (75 sets), Lights (150 sets)
	(3) Fishery Industrial Lot	m²	240,000	

# 2-2 Construction Schedule

The construction schedules of the fishery port and the outer port facilities are shown in Tables M-2 and M-3. In these table, the construction schedule of the fishery port facilities is only divided into before and after 1990. As for the construction schedule of the outer port facilities, only the schedule from the starting year is shown.

Table M-2 Construction Schedule (Fishery Port)

	Facility		0	Construc	ction Year
Item	Sub Item	Unit	Quantity	1985 ~ 1990	1991 ~ 2000
1. Dredging	(1) -7m Anchorage	m <sup>3</sup>	475,000		
	(2) -4m Anchorage	m <sup>3</sup>	275,000		
2. Quays	(1) -7m Quay	m	970		-
	(2) -4m Quay	m	800		
3. Land and	(1) Wharf Lot	m²	80,000	(40,000 m³)	(40,000 m <sup>1</sup> )
Road	(2) Road	m	1,500	(700 m)	(m 008)
	(3) Fishery Industrial Lot	m²	240,000		

Table M-3 Construction Schedule (Outer Port)

100 100 100 100 100 100 100 100 100 100	Facilities	T			- 1	Construc	tion Year		· .
Item	Sub Item	Unit	Quantity	1	2	3	4	5	6
1. Terminal	(1) Wharf Repair	set	1						
	(2) Terminal	set	l						
2. Touristic	(1) Seawall	m²	1,400						
Facility	(2) Green Area	m²	7,500				-		
	(3) Parking Area	m²	1,920						
	(4) Launch Mooring	m	15						
	(5) Slipway	m ·	30						

# 2-3 Cost Estimate

The results of the cost estimations for the fishery port and the outer port facilities are shown in Tables M-4 and M-5.

Table M-4 Construction Cost (Fishery Port)

	Facility			Construc	ction Cost ('00	0 pesos)
Item	Sub Item	Unit	Quantity	. Total	Foreign Portion	Local Portion
1. Dredging	(1) -7m Anchorage	m <sup>3</sup>	475,000	303,000	100,000	203,000
	(2) -4m Anchorage	m³	275,000	178,000	60,000	118,000
2. Quays	(1) -7m Quay	m	970	640,000		640,000
	(2) -4m Quay	m	800	440,000		440,000
3. Land and	(1) Wharf Lot	m²	80,000	118,000	_	118,000
Road	(2) Road	m	1,500	103,000	30,000	73,000
	(3) Fishery Industrial Lot	m²	240,000	38,000		38,000
Total		J		1,820,000	190,000	1,630,000
Tax				139,500		139,500
Grand Tota	ıl			1,959,500	190,000	1,769,500

Table M-5 Construction Cost (Outer Port)

	Facilities		\	Constru	ction Cost ('00	0 pesos)
Item	Sub Item	Unit	Quantity	Total	Foreign Portion	Local Portion
1. Terminal	(1) Wharf Repair	set	1	40,000	6,000	34,000
·	(2) Terminal	set	1	113,000	53,000	60,000
2. Touristic	(1) Seawall	m	1,140	291,000		291,000
Facility	(2) Green Area	m²	7,500	55,000	_	55,000
	(3) Parking Area	m²	1,920	5,000		5,000
	(4) Launch Mooring	m	15	11,000	-	11,000
	(5) Slipway	m	30	15,000	_	15,000
Total				530,000	59,000	471,000
Tax				46,000	_	46,000
Grand Tot	al			576,000	59,000	517,000

# 3. Construction and Cost Estimate for the Short-term Plan

# 3-1 Construction Quantity

Construction quantity for the fishery port is shown in Table M-6.

Table M-6 Port Facilities and Construction Quantity (Fishery Port)

	Facilities	Unit	Quantity	Reamrks
Item	Sub Item	Onit	Quantity	
1. Dredging	(1) Anchorage	m <sup>3</sup>	475,000	
2. Quays	(1) -7m Quay	m	840	RC Pile, RC Sheet-pile
	(2) -4m Quay	m	80	RC Pile, RC Sheet-pile
3. Land and	(1) Wharf Lot	m <sup>2</sup>	40,000	Asphalt Pavement, Lighting Pole (35
Road	(2) Road	m	700	Asphalt Pavement, Lighting Pole (35 set), Light (70 set)

# 3-2 Cost Estimate

The result of the cost estimation for the fishery port facilities is shown in Table M-7.

Table M-7 Construction Cost (Fishery Port)

	Facility			Constru	ction Cost ('00	0 pesos)
Item	Sub Item	Unit	Quantity	Total	Foreign Portion	Local Portion
1. Dredging	(1) Anchorage	m <sup>3</sup>	475,000	305,000	101,000	204,000
2. Quays	(1) -7m Quay	m	840	554,000	-	554,000
	(2) -4m Quay	m	80	44,000		44,000
3. Land and	(1) Wharf Lot	m <sup>2</sup>	40,000	59,000		59,000
Road	(2) Road	m	700	19,000	6,000	13,000
Total				981,000	107,000	874,000
Tax			***************************************	72,000	-	72,000
Grand Tota	1			1,053,000	107,000	946,000

#### 4. Financial Statements for Financial Analysis

# 4-1 Financial Statements in the Original Case

The fired assets schedule, the income statement, the statement of source and application of funds, and the balance sheet in the original case are indicated in Table M-8, M-9, M-10 and M-11.

## 4-2 Financial Statements of "Servicious Portuaries de Manzanillo, S.A. de C.V."

The income statement, and the statement of source and application of funds of "Servicious Portuaries de Manzanillo, S.A. de C.V." are presented in Table M-12 and M-13.

#### 4-3 Financial Statements in the Alternative Case

The income statement, and the statement of source and application of funds in the alternative case are shown in Table M-14 and M-15.

Table M-8 Fixed Assets Schedule

(Unit: '000,000 pesos)

		•				- 1
Item	1985	1986	1987	1988	1989	1990
Fixed Assets at Beginning of Year	4,830	5,562	6,638	7,519	8,271	10,616
Non Depreciable Assets (Land)	0	0	0	0	170	170
Depreciable Assets	7,980	8,319	8,769	9,545	10,158	11,791
Depreciation	3,151	3,403	3,662	3,910	4,174	4,457
Written down Value	4,830	4,917	5,108	5,636	5,985	7,334
Construction in Process	0	645	1,530	1,883	2,116	3,112
Investment	984	1,335	1,129	1,016	2,628	
Existing Facilities	789					
New Facilities	195	1,335	1,129	1,016	2,628	
Depreciation	252	259	248	264	283	336
Fixed Assets at End of Year	5,562	6,638	7,519	8,271	10,616	10,280
Non Depreciable Assets (Land)	0	0	0	170	170	187
Depreciable Assets	8,319	8,769	9,545	10,158	11,791	14,886
Depreciation	3,403	3,662	3,910	4,174	4,457	4,793
Written down Value	4,917	5,108	5,636	5,985	7,334	10,093
Construction in Process	645	1,530	1,883	2,116	3,112	0

Item	1991	1992	1993	1994	1995	1996
Fixed Assets at Begining of Year	10,280	9,627	8,975	8,334	7,701	7,081
Non Depreciable Assets (Land) Depreciable Assets Depreciation Written down Value Construction in Process	187 14,886 4,793 10,093	187 14,886 5,446 9,440	187 14,886 6,098 8,788	187 14,886 6,739 8,147	187 14,886 7,372 7,514	187 14,886 7,992 6,894
Investment						: :
Existing Facilities New Facilities						
Depreciation	653	652	641	633	620	408
Fixed Assets at End of Year	9,627	8,975	8,334	7,701	7,081	6,673
Non Depreciable Assets (Land) Depreciable Assets Depreciation Written down Value Construction in Process	187 14,886 5,446 9,440	187 14,886 6,098 8,788	187 14,886 6,739 8,147	187 14,886 7,372 7,514	187 14,886 7,992 6,894	187 14,886 8,400 6,486

Item	1997	1998	1999	2000	2001	2002
Fixed Assets at Beginning of Year	6,673	6,265	5,857	5,457	5,057	4,770
Non Depreciable Assets (Land)	187	187	187	187	187	187
Depreciable Assets	14,886	14,886	14,886	14,886	14,886	14,886
Depreciation	8,400	8,808	9,216	9,616	10,016	10,303
Written down Value	6,486	6,078	5,670	5,270	4,870	4,58
Construction in Process						
Investment						
Existing Facilities New Facilities	·					
Depreciation	408	408	400	400	287	25
Fixed Assets at End of Year	6,265	5,857	5,457	5,057	4,770	4,51
Non Depreciable Assets (Land)	187	187	187	187	187	18
Depreciable Assets	14,886	14,886	14,886	14,886	14,886	14,88
Depreciation	8,808	9,216	9,616	10,016	10,303	10,56
Written down Value	6,078	5,670	5,270	4,870	4,583	4,32
Construction in Process						

Item	2003	2004	2005	2006	2007	20
Fixed Assets at Beginning of Year	4,513	4,257	4,000	3,743	3,487	3,
Non Depreciable Assets (Land)	187	187	187	187	187	
Depreciable Assets	14,886	14,887	14,887	14,887	14,888	14,
Depreciation	10,560	10,817	11,074	11,331	11,588	11,
Written down Value	4,326	4,070	3,813	3,556	3,300	3,
Construction in Process						<u></u>
Investment						
Existing Facilities New Facilities						
Depreciation	257	257	257	257	257	
Fixed Assets at End of Year	4,257	4,000	3,743	3,487	3,230	3,
Non Depreciable Assets (Land)	187	187	187	187	187	
Depreciable Assets	14,887	14,887	14,887	14,887	14,888	14,
Depreciation	10,817	11,074	11,331	11,588	11,845	12,
Written down Value	4,070	3,813	3,556	3,300	3,043	2,
Construction in Process						

· · · · <u> ·</u>	<u> </u>					
Item	2009	2010	2011	2012	2013	2014
Fixed Assets at Beginning of Year	3,001	2,773	2,564	2,374	2,184	1,994
Non Depreciable Assets (Land) Depreciable Assets Depreciation Written down Value Construction in Process	187 14,888 12,074 2,814	187 14,889 12,303 2,586	187 14,889 12,512 2,377	187 14,889 12,702 2,187	187 14,889 12,892 1,997	187 14,889 13,082 1,807
Investment					1.1	
Existing Facilities New Facilities						
Depreciation	229	209	190	190	190	190
Fixed Assets at End of Year	2,773	2,564	2,374	2,184	1,994	1,804
Non Depreciable Assets (Land) Depreciable Assets Depreciation Written down Value Construction in Process	187 14,889 12,303 2,586	187 14,889 12,512 2,377	187 14,889 12,702 2,187	187 14,889 12,892 1,997	187 14,889 13,082 1,807	187 14,889 13,272 1,617

Table M-9 Income Statement

			Table M-9 In	Income Statement	ent				
								9	(Unit: '000 pesos)
Item	1985	1986	1987	1988	1989	1990	1991	1992	1993
OPERATING REVENUES									
CHARGES FOR FACILITIES LOADING & INTOADING CHARGE	196 467	220 117	243_900	267 561	291_350	315.003	325 667	335 194	346.859
CARGO HANDLING CHARGE	423,479	479,616	535,753	371,891	648,028	704,165	727,979	751,794	
CHARGE FOR USE OF STORAGE	65,918	82,167	98,416	114,665	130,914	147,163	152,192	157,222	162,251
OTHER (NATIONAL)	46,000	000 97	76,000	76,000	76,000	46,000	76,000	76,000	000,94
WATER SUPPLY	11,421	12,792	14,162	15,571	16,941	18,312	18,730	19,149	19,568
TOWAGE	15,060	16,867	18,674	20,532	22,339	24,146	24,698	25,251	25,803
PORT DUES (FOREIGN TRADE)	88,523	100,844	113,146	125,467	137,770	150,091	154,919	159,748	154,576
PORT DUES (DOMESTIC TRADE)	2,760	2,657	2,548	2,447	2,337	2,236	2,392	2,539	2,696
FUMIGATION & OTHER	43,350	45,210	47,070	48,930	50,790	52,650	52,110	51,570	51,030
OTHER (COMPANY)	550	550	550	550	550	550	550	550	550
FOR USE OF WHARE	2,265	2,820	3,375	3,945	4,500	5,055	5,535	6,000	6,400
CHARGE FOR USE OF WHARF (IM)	31,980	36,300	40,620	44,970	49,290	53,610	54,480	55,380	
CHARGE FOR USE OF WHARF (DM)	3,300	3,180	3,060	2,940	2,820	2,700	2,925	3,165	3,390
CHARGE FOR USE OF QUAYWALL	35,494	36,554	37,614	38,673	39,733	40,793	40,638	40,484	40,329
TOTAL (OPERATING REVENUES) OPERATING EXPENSES	966,566	1,085,677	1,204,896	1,324,141	1,433,357	1,562,470	1,508,814	1,655,044	1,701,386
	124,000	124,000	124,000	124,000	124,000	124,000	124,000	124,000	124,000
PERSONNEL & OTHER (COMPANY)	304,000	304,000	304,000	304,000	304,000	304,000	304,000	304,000	304,000
DEPRECIATION EXPENSE	252,366	259,041	247,864	263,797	202,755	336,023	653,230	651,742	640,942
MAINTENANCE & REPAIR	244,462	271,645	295,227	322,544	399,415	399,415	399,415	399,415	399,415
TOTAL (OPERATING EXPENSES)	924,824	958,687	ì	1,011,341	1,110,170	1,163,438	1,480,653	1,179,157	1,468,357
(OPERATING PROFIT)	41,138	126,990	ີຕົ	309,800		399,032	128,161	175,887	233,029
NON-OPERATING REVENUES									
DIVIDEND	0	14,575		14,575	14,575	14,575	14,575	•	14,575
TOTAL (NON-OPERATING REVENUE)	0	14,575	14,575	14,575	14,575	14,575	14,575	14,575	14,575
NON-OPERATING LOSSES		•						-	=
INTEREST ON LONG-TERM LOAN	0	172	5,028	9,619	15,502	54,414	54,414	54,414	54,543
NET INCOME BEFORE IAX	41,738	141,392	243,352	314,756	332,242	359193	88,322	136,048	193,060

	20000000000000000000000000000000000000	17 00 00 115 00 17	,575 ,575 ,861 ,831	
2005	368,187 823,237 172,310 46,000 20,406 26,907 174,233 49,950 7,560 58,020 3,840 40,020	1,794,217 124,000 304,000 256,685 399,415 1,084,100 710,117	14,575 14,575 95,861 628,831 628,831	
2004	368,187 823,237 172,310 46,000 26,406 26,406 26,907 174,233 2,999 49,950 7,560 58,020 3,840 40,020	1,794,217 124,000 304,000 256,685 399,415 1,084,100 710,117	14,575 14,575 95,796 628,896 628,896	
2003	368,187 823,237 172,310 46,000 20,406 26,907 174,233 29,99 49,950 7,560 58,020 40,020	1,794,217 124,000 304,000 256,685 399,415 1,084,100 710,117	14,575 14,575 14,575 95,734 628,958 628,958	
2002	368,187 823,237 172,310 46,000 20,406 26,907 174,233 49,999 49,950 7,560 550 7,560 58,020 40,020	1,794,217 124,000 304,000 256,685 399,415 1,084,100 710,117	14,575 14,575 95,675 629,017 629,017	
2001	368,187 823,237 172,310 46,000 20,406 26,907 174,233 26,999 49,950 7,560 550 7,560 3,840	1,794,217 124,000 304,000 286,685 399,415 1,114,100 680,117	14,575 14,575 95,618 599,074 599,074	
2000	368, 187 823, 237 172, 310 46,000 20,406 26,907 174, 233 2,999 49,950 7,560 550 7,560 58,020 3,840	1,794,217 124,000 304,000 400,000 399,415 1,227,415 566,802	14,575 14,575 95,564 485,813 485,813	
1999	368,187 823,237 172,310 46,000 20,406 26,907 174,233 2,999 49,950 7,560 58,020 3,840 40,020	1,794,217 124,000 304,000 400,000 399,415 1,227,415 566,802	14,575 14,575 95,513 485,864 485,864	
1998	368,187 823,237 172,310 46,000 20,406 26,907 174,233 2,999 49,950 7,560 58,020 3,840 40,020	1,794,217 124,000 304,000 408,153 399,415 1,235,568 558,649	14,575 14,575 95,463 477,761	
1997	368, 187 823, 237 172, 310 46,000 20,406 26,907 174, 233 2,999 49,950 7,560 550 7,560 3,840 40,020	1,794,217 124,000 304,000 408,153 399,415 1,235,568 558,649	14,575 14,575 95,417 477,807	·
1996	368, 187 823, 237 172, 310 46, 000 20, 406 26, 907 174, 233 2, 999 49, 950 7, 560 58, 020 3, 840 40, 020	1,794,217 124,000 304,000 408,153 399,415 1,235,568 558,649	14,575 14,575 66,100 507,124 507,124	
1995	368, 187 823, 237 172, 310 46, 000 20, 406 26, 907 174, 233 2, 999 49, 950 7, 560 58, 020 3, 840 40, 020	1,794,217 124,000 304,000 619,998 399,415 1,447,413 346,804	14,575 14,575 61,661 299,717 299,717	
1994	357,523 799,423 167,281 46,000 19,987 26,355 169,405 2,490 7,020 7,020 3,615 40,175	1,747,782 124,000 304,000 632,625 399,415 1,460,040 287,742	14,575 14,575 18,200 244,116 244,116	
	-	472-		

2014	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58.020	3,840	1,794,217	124,000 304,000 189,881 399,415 1,017,296 776,921	14,575	106,976	684,519 684,519
2013	368,187	172,310	20,406	1/4,233 2,999 49,950	7,560	3,840	1,794,217	124,000 304,000 189,881 399,415 1,017,296 776,921	14,575	85,150	706,345 706,345
2012	368,187	172,310	20,406	1/4,233 2,999 49,950	7,560	3,840	1,794,217	124,000 304,000 189,881 399,415 1,017,296 776,921	14,575	91,959	699,536 699,536
2011	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58,020	3,840	1,794,217	124,000 304,000 189,881 399,415 1,017,296	14,575	100,751	690,744 690,744
2010	368,187	172,310	20,406	2,999	550 7,560 58.020	3,840	1,794,217	124,000 304,000 208,521 399,415 1,035,936 758,281	14,575 14,575	96,405	676,450
2009	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58,020	3,840	1,794,217	124,000 304,000 228,771 399,415 1,056,186 738,031	14,575	96,154	656,450 656,450
2008	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58,020	3,840	1,794,217	124,000 304,000 228,771 399,415 1,056,186 738,031	14,575	96,076	656,529 656,529
2007	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58,020	3,840	1,794,217	124,000 304,000 256,685 399,415 1,084,100 710,117	14,575	96,001	628,691 628,691
2006	368,187	172,310	20,406	1/4,233 2,999 49,950	550 7,560 58.020	3,840	1,794,217	124,000 304,000 256,685 399,415 1,084,100 710,117	14,575	95,929	628,762 628,762

# Table M-10 Balance Sheet

Note: Due to rouding error the total assets do not

																								-																	
liabilities & equity. (Unit: '000 pesos)	1993	5456337	16016	5547428	·	186775	1650943	70707	000000	430477	4795684	2208008	966606	1241397	460810	277560	183250	463878	223878	240000	0 70.446	8333960	0252380	1,7001,300					789000	4012105	7801108	2290843	8761607		2020316	4939316	4939316		1850124	0576879	13881388
total liabilitie (Unit: 1	1992	4622592	16016	4713683		186775	1650943	727745	7,21800	6056373	6046088	2208008	732623	1475381	460810	185935	274875	463878	193878	270000	0	89/4902	1368686	COCOOCT					789000	4012105	4801105	2291100	7092205		3100007	4939316	4939316		1657064	6596380	13688585
exactly equal the total liabilities & equity (Unit: '000 pesos)	1991	3834802	16016	3925893	1	186775	1650943	001170	09/95/	2705198	6307233	2208008	498641	1709365	018097	94310	366500	463878	163878	300000	0	967664	12670544	1552553					789000	4012105	4801105	2291100	7097205	*	210000	49,59316	4939316		1521016	6460332	13552537
×e	1990	3093242	91091	3184333	:	186775	1650943	40000	76776101	3536026	6568609	2208008	264658	1943349	460810	2685	458125	463878	132953	330925	0.00200	102/98/4	13767307	70740457					789000	4012105	4801105	2291100	7092205		2 100000	445557	4939316		1432694	6372010	13464215
	1989	2398026	16016	2489117	,	170200	1321943	000000	9625UC	3286016	6306659	319133	251535	67598	2685	2685	0	463878	102028	361850	3111950	10615899	13105016	07000101	٠	-			789000	4012105	4801105	2291100	7092205		9100007	4434510	4939316	!	1073501	6012817	13105022
	1988	1783009	16016	1874100	, e (	170200	992943	/00/0/	970207	3062019	5381046	255998	251039	4959	2685	2148	537	463878	71102	392776	2115774	82/0345	10144445	Chanacor					789000	3022194	3811194	652700	76828777		710000	4939310	4939316		741239	5680554	 10144448
	1987	1204457	16016	1295548	•	0 0	992943 750005	70000	9767687	2861090	4969158	255998	248438	7560	2685	1611	1074	463878	40177	423701	1882666	7518014	7318014	7055100		•			789000	2253766	3042766	702000	3447766		3100007	4939316	4939316		426483	426483 5365798	8813564
	1986	713242	16016	804333	(	0 .0	992943	7,50465	20,500	2687941	4371207	255998	238987	17011	2685	1074	1611	828697	9252	454626	1529970	663/084	76617004	/1+154/					789000	1318270	2107270	2)1170	2318970		3160607	4434316	4939316	٠.	183130	5122446	7441416
٠	1985	312809	91091	403800	,	0	992943	107107	20175	2504794	4549354	255998	188358	67640	2685	537	2148	13878	8372	5551	644875	5561029	5207062	6765060			٠		789000	187615	976615	7260	983875		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4939316	4939316		41738	41/38	5964929
	ASSETS Item ASSETS	CURRENT ASSETS CASH	F-4	TOTAL (CURRENT ASSETS) FIXED ASSETS	PROPERTY & EQUIPMENT	LAND	BUILDINGS	UAT TATEON	NOTIVOTA Seculturate	NOTING TO BRIDGE	VALIATION	MACHINERY & EQUIPMENT	DEPRECIATION	VALUATION	VEHICLES	DEPRECIATION	VALUATION	VESSELS	DEPRECIATION	VALUATION		TOTAL (PROPERTY & ECUIPMENT)	TOTAL (FIXED ASSEIS)	₹	A TANAL TANAL SECTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE P	ANTITUTE TAKE TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	FIXED LIABILITIES	BONDS	GOVERNMENTAL BOND (EXIST)	GOVERNMENTAL BOND (NEW)	TOTAL (BONDS)	டு	TOTAL (FIXED LIABILITIES)	CAPITAL STOCK	NET WORTH & OTHERS	FIXED OR SICCRS	TOTAL (CAPITAL STOCK)	LEGAL RESERVE	e	IOTAL (EGUITY) TOTAL (EQUITY)	TOTAL (LIABILITIES & BOUITY)

1								
	2005	15182880 91091 15273971	186775 1650943 1383623 267320 10102443 6943888 3158546	2208008 2077202 130800 460810 60810 0 463878 463878	0 3743450 3743450 19017420	789000 4012105 4801105 1333905 6135010 6135010	4939316 4939316 4939316	7943095 7943095 12882411 19017420
•	2004	14418549 91091 14509640	186775 1650943 1348663 302280 10102443 6730881	2208008 2068485 139520 460810 460810 0 0 463878	0 4000132 4000132 18509772	78900 4012105 4801105 1455088 6256193 6256193	4939316 4939316 4939316	7314265 7314265 12253581 18509772
	2003	13648595 91091 13739686	186775 1650943 1313703 337240 10102443 6517876 3584557	2208008 2059765 148240 460810 460810 463878	0 4256811 4256811 17996496	789000 4012105 4801105 1570715 6371820 6371820	4939316 4939316 4939316	6685370 6685370 11624686 17996492
	2002	12873277 91091 12964368	186775 1650943 1278743 372200 10102443 6304871 3797560	2208008 2051042 156960 460810 463878 463878	0 4513500 4513500 17477868	789000 4012105 4801105 1681040 6482145	4939316 4939316 4939316	6056413 6056413 10995729 17477868
· ·	2001	12092840 91091 12183931	186775 1650943 1243783 407160 10102443 6091866 4010566	2208008 2042325 165680 460810 460810 663878 463878	0 4770177 4700177 16954108	789000 4012105 4801105 1786304 6587409 6587409	4939316 4939316 4939316	5427396 5427396 10366712 16954108
	2000	11307519 91091 11398610	186775 1650943 1208823 442120 10102443 5878861 4223571	2208008 2033605 174400 460810 460810 0 463878 433878	30000 0 5056876 5056876 16455486	789000 4012105 4801105 1886742 6687847 6687847	4939316 4939316 4939316	4828323 4828323 9767639 16455486
- -	1999	10517538 91091 10608629	186775 1650943 1173863 477080 1010243 5665854	2208008 1911567 296435 460810 460810 0 463878	60000 0 5456877 5456877 16065506	789000 4012105 4801105 1982574 6783679 6783679	4939316 4939316 4939316	4342511 4342511 9281827 16065506
	1998	9723111 91091 9814202	186775 1650943 1138903 512040 10102443 5452851 4649579	2208008 1789534 418470 460810 460810 463878 373878	90000 0 5856877 5856877 1.5671079	789000 4012105 4801105 2074011 6875116	4939316 4939316 4939316	3856647 3856647 8795963 15671079
	1997	8924442 91091 9015533	186775 1650943 1103943 547000 10102443 5232189 4870245	2208008 1667004 541001 460810 463878 343878	120000 6265030 6265030 15280363	789000 4012105 4801105 2161255 6962360 6962360	4939316 4939316 4939316	3378887 3378887 8318203 15280563
	1996	8121725 91091 8212816	186775 1650943 1066983 581960 10102443 5011727 5090907	2208008 1544470 663531 460810 460810 0 463878 313878	150000 0 6673184 6673184 14886000	789000 4012105 4801105 2244499 7045604 7045604	4939316 4939316 4939316	2901080 2901080 7840396 14886000
·	1995	7230604 91091 7321695	186775 1650943 1034023 616920 10102443 4790866 5311568	2208008 1421942 786062 460810 460810 0 463878 283878	180000 0 7081336 7081336 14403031	789000 4012105 4801105 2268654 7069759 7069759	4939316 4939316 4939316	2393956 2393956 7333272 14403031
	1994	6325581 91091 6416672	186775 1650943 999063 651880 10102443 4548805	2208008 1200586 1007418 460810 369185 91625 463878 253878	210000 0 7701335 7701335 14118007	789000 4012105 4801105 2283346 7084451 7084451	4939316 4939316 4939316	2094240 2094240 7033556 14118007

2014	21815964 91091 21907055	186775 1650943 163783 10102443 8550208 1552225 2208008 2155682 52320 460810 60810 60810 60810 789000 4801105 4801109	4939316 4939316 4939316 13971114 13971114 18910428
2013	21108161 91091 21199252	186775 1650943 1611463 39480 1010243 8395367 1707068 2208008 2208008 246985 61040 460810 463878 463878 463878 463878 463878 463878 463878 1994344 23193596 4961105 4961105	4939316 4939316 4939316 4939316 13286596 13286596 18225900 23193596
2012	20359888 91091 20450979	186775 1650943 1585143 65800 10102443 8240526 1861907 2208008 2138245 6908 460810 460810 463878 460810 0 0 0 0 2184233 22635212 22635212 314554 5115659	4939316 4939316 4939316 12580252 17519564 22635212
2011	19625821 91091 197,16912	186775 1650943 1558823 92120 10102443 8085684 2016749 2208008 21298008 21298008 21298008 460810 460810 460810 0 0 0 0 2374183 22091036 469906 5271010 5271010	4939316 4939316 4939316 11880717 11880717 16820028
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2008	17439372 91091 17530463	186775 165043 1479863 1470863 10102436 2538602 2208008 2103362 104640 460810 460810 463878 463878 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4939316 4939316 4939316 9857075 9857075 14796391.
2007	16693582 91091 16784672	186775 1650943 1650943 1650943 1077400 101102443 7369895 2732535 2732535 2708008 2708008 2708008 460810 460810 460810 460810 460810 460810 460810 460810 789000 789000 4012105 1077785 5874890 5874890	4939316 4939316 4939316 9200547 9200547 14139863 20014748
2006	15941319 91091 16032410	186775 1650943 1418583 232360 10102443 7156891 2208008 2208008 208539 2208008 460810 460810 460810 4601105 12080 463878 463878 463878 463878 463878 463878 463878 4608105 1208897 6008002 6008002	4939316 4939316 4939316 8571857 8571857 13511173

Table M-11 Source and Application of Funds

(Unit: '000 pesos)	1993		193060.	640942.	<b>.</b>	<b>0</b> 0	834002.		٠	0		0	0	Ċ,	. ·	O	o i	0.	c C	257.	257.	257.		83400Z.	833746.	833746	83400Z.
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	1990		359193	336023.	0	0 0	695216.			0	.0		0	Ö		O				0	0	0		695216.	695216.	695216.	695216.
	1989		332262.	282755.	0	989911.	3243328.			3315.	D	51737.	52842.	1919997.	24.950	551270.	24200.		2628311.	6	0	2628311.		3243328.	615017.	615017.	3243328.
	1988		314756.	263797.	0	768428.	1594680.			4972	59635	502293	61363.	335545.	0	28120.	24200.	•	1016128.	0.		1016128.		1594680.	578552.	578552.	1594680,
	1987		243352.	247864.	0	935496.	1620011.			141133.	178905.	537790.	8520	196068.	0	42180.	24200.	<b>6</b>	1128796.	٥	0	1128796.		1620011.	491215.	491215.	1620011.
	1986		141392	259041.	Ö	1130655.	1735528.			37355.	538760.	654500.	0	0	13900.	42180	48400.		1335095.	0		1335095.		1735528.	400433.	400433	17355ZB.
:	1985		41738.	252366.	789000.	187615.	1277979.	-		0	0	533875	0	Ö		Ö	0	450000.	983875.	0	0	983875.		1277979.	294104.	294104.	1277979
	Item	SOURCE LONG-TERM SOURCE		DEPRECION RESERVES	ERNMENTAL BOND	GOUMRNAMENTAL BOND (NEW)	TOTAL (LONG-TERM SOURCE)	APPLICATION LONG-TERM APPLICATION	WORKS OF PORT FACILITIES	LAND	BREAKWATER WATERWAY ANCHORAGE	BERTH & BUOY	PORT TRAFFIC	TANDLING MOUIDAMNA	PAGGER TERMINAL	ď	WATER SUPPLYING FACILITY		TOTAL (WORKS OF PORT FACILIA	LONG-TERM BORROWING	TOTAL (BOND REDEMPTION)	TOTAL (LONG-TERM APPLICATION)	Η	TOTAL (SOURCE) AHOBILTERS ABBILTAL	CASH INCREMENT	TOTAL (SHORT-TERM AP.)	TOTAL (APPLICATION)

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2011	. 440244.	189881.	000	880625.	00	0.0	000	<b>5</b> CD (	<b>.</b>	<b>.</b>	164744.	164744.	880625	715881. 715881. 880625.	
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Table M-12 Income Statement (Servicios Portuarios de Manzanillo, S.A. de C.V.)

(Unit: '000 pesos)	1993		346,859	775,608	19,568	25,803	51,030	550	1,219,415	304,000	233,048	128,797	665,845			14,575	14,575			22,705	22,705	545,440	545,440
Cng	1992		336,194	751,794	19,149	25,251	51,570	550	1,184,507	304,000	233,048	128,797	665,845			14,575	14,575			22,705	22,705	510,532	510,532
	1991		325,667	727,979	18,730	24,698	52,110	550	1,149,734	304,000	234,544	128,797	667,341			14,575	14,575			22,705	22,705	474,262	474,262
	1990		315,003	704,165	18,312	24,146	52,650	550	1,114,825	304,000	44,619	128,797	477,416			14,575	14,575			22,705	22,705	629,278	629,278
	1989		291,350	648,028	16,941	22,339	50,790	550	1,029,998	304,000	32,529	128,797	465,326			14,575	14,575			4,560	4,560	574,687	574,687
	1988		267,561	591,891	15,571	20,532	48,930	550	945,034	304,000	34,635	88,289	426,924			14,575	14,575			7.12	712	531,973	531,973
	1987		243,908	535,753	14,162	18,674	47,070	550	860,118	304,000	41,485	79,737	425,222			14,575	14,575			0	0	449,470	449,470
	1986		220,119	479,616	12,792	16,867	45,210	550	775,154	304,000	52,662	79,737	436,399			14,575	14,575			0	0	353,329	353,329
	1985		196,467	423,479	11,421	15,060	43,350	550	690,327	304,000	52,662	79,737	436,399			0	0			0	0	253,927	253,927
	Item	Operating Revenues Charges for Facilities	Loading & Unloading Charge	Cargo Handling Charge	Water Supply	Towage	Fumigation & Other	Other (Company)	Total (Operating Revenues) Operating Expenses	Personnel & Other (Company)	Depreciation Expense	Maintenance & Repair	Total (Operating Expenses)	(Operating Profit)	Non-Operating Revenues	Devidend	Total (Non-Operating Revenue)	Non-Operating Losses	Interest on Public Bond & Debt	Interest on Long-Term Loan	Total (Non-Operating Losses)	Net Income Before Tax	Net Income

1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2005 2006 2001 2002 2003 2004 2005 2005 2005 2005 2005 2005 2005	 		-				·	÷									
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1994 1995 1996 1997 1998 1999 2000  357,523 368,187 368,187 368,187 368,187 368,187 369,187 399,2237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 323,237 324,227 324,225 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,289,235 1,49,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,575 14,5		2002		368,187	20,406	49,950	1,289,235	304,000	0 00.	432,797		14,575	14,575	30 01%	39,914	831,098	831,098
1994     1995     1996     1997     1998     1999       357,523     368,187     368,187     368,187     368,187     368,187     368,187     368,187     368,187       799,423     823,237     823,237     823,237     823,237     823,237       19,987     20,406     20,406     20,406     20,406     20,406       50,490     49,950     49,950     49,950     49,950       50,490     49,950     49,950     49,950     49,950       50,490     49,950     49,950     49,950     49,950       50,490     49,950     49,950     49,950     550       50,490     550     550     550     50       50,490     49,950     49,950     49,950       50,490     49,950     49,950     49,950       50,490     49,950     49,950     49,950       50,490     304,000     304,000     304,000       304,000     304,000     304,000     304,000       233,048     520,439     463,293     462,797       665,445     653,218     463,293     463,293     462,797       14,575     14,575     14,575     14,575     14,575       14,575     14,575     14,575		2001		368,187	20,406	49,950	1,289,235	304,000	30,000	128,797		14,575	14,575	000	39,890	801,122	801,122
1994       1995       1996       1997       1998         357,523       368,187       368,187       368,187       368,187       368,187         799,423       823,237       823,237       823,237       823,237         19,987       20,406       20,406       20,406       20,406         26,355       26,907       26,907       26,907       26,907         50,490       26,907       26,907       26,907       26,907         50,490       49,950       49,950       49,950       49,950         550       550       49,950       49,950       49,950         550       550       49,950       49,950       49,950         550       550       49,950       49,950       49,950         550       550       49,950       49,950       49,950         550       530       49,950       49,950       49,950         550       530       49,950       49,950       550         20,400       304,000       304,000       304,000       304,96       30,496         128,797       128,797       128,797       128,797       14,575       14,575       14,575         14,575       1		2000		368,187	20,406	49,950	1,289,235	304,000	30,000	128,797		14,575	14,575	0 0	39,868	801,144	801,144
1994       1995       1996       1997         357,523       368,187       368,187       368,187         799,423       823,237       20,406       20,406         26,355       26,907       26,907       26,907         50,490       49,950       49,950       56,907         550       49,950       49,950       56,907         550       550       49,950       56,907         550       49,950       49,950       49,950         550       550       49,950       49,950         550       550       49,950       49,950         550       550       49,950       56,907         550       550       49,950       49,950         550       550       49,950       56,907         550       520       49,950       49,950         550       520       49,950       49,950         128,797       128,797       128,797       128,797         14,575       14,575       14,575       14,575         14,575       14,575       14,575       14,575         14,575       14,575       14,575       14,575         14,575       14,575		1999		368,187 823,237	20,406	49,950	1,289,235	304,000	30,000	128,797 462,797		14,575	14,575	6	39.847	801,165	801,165
1994 1995 1996  357,523 368,187 368,187 3  19,987 20,406 26,307  50,490 550 49,950 49,950  550,490 550 49,950  254,325 1,289,235 1,289,235 1,2  304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,000 304,00		1998		368,187	20,406	49,950	1,289,235	304,000	30,496	128,797 463,293		14,575	14,575	6	39,827	800,008	800,689
1994 1995  357,523 368,187  799,423 20,406 26,355 20,406 26,355 26,907 50,490 550 50,490 304,000 554,325 1,289,235 1, 254,325 1,289,235 1, 218,797 128,797 665,845 653,218 665,845 653,218 14,575 14,575 14,575 14,575 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242		1997		368,187	20,406	49,950	1,289,235	304,000	30,496	128,797 463,293		14,575	14,575	0	39,808	800,708	800,708
1994 1995  357,523 368,187  799,423 20,406 26,355 26,907 50,490 49,950 550 550 ,254,325 1,289,235 304,000 304,000 233,048 220,421 128,797 128,797 665,845 653,218 14,575 14,575 14,575 14,575 14,575 14,575 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 22,705 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,242 23,252 23,242 23,252 23,242 23,252 23,242 23,252 23,242 23,252 23,242 23,252 23,242 23,252 23,242 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 23,252 2		1996		368,187	20,406	49,950	1,289,235	304,000	30,496	128,797		14,575	14,575		26,140	814,377	814,377
		1995		368,187	20,406 26,907	49,950	1,289,235	304,000	220,421	128,797 653,218		14,575	14,575	6	23,242	627,350	627,350
		1994		357,523	19,987	50,490	1,254,325	304,000	233,048	128,797	i.	14,575	14,575	£	22,705	580,350	580,350
-481-					· · .		• .			_	-48	1 —					

Table M-13 Source and Application of Funds (Servicios Portuarios de Manzanillo, S.A. de C.V.)

1993	545440.		ခံခဲခံခဲ	000	778488. 778488. 778488.
1992	510532.		0000	000	743580. 743580. 743580. 743580.
1991	474262.	708807	0000	000	708807. 708807. 708807.
1990	629278.	0. 0. 0. 673898.	0000	000	673898. 673898. 673898. 673898.
1989.	574687.	0. 46147. 764000. 1417362.	810147. 810147.	0. 0. 810147.	1417362. 607215. 607215. 1417362.
1988	531973.	9045. 162000. 737652.	171045. 171045.	0. 0. 171045.	737652. 566607. 566607. 737652.
1987	449470.	1568. 30000. 522523.	4973. 31568. 0. 36541.	36541	522523. 485982. 485982. 522523.
1986	353329.	0. 0. 0. 405991.	3315. 3316.	33.15.	405991. 402676. 402676. 405991.
1985	253927.		0 0. 450000, 450000,	0. 0. 450000.	756590. 306590. 306590. 756590.
Item	SOURCE LONG-TERM SOURCE NET INCOME RESERVES DEPRECIATION RESERVES	LONG-TERM FUNDS BONDS GOVERNMENTAL BOND (EXIST) GOVERNMENTAL BOND (NEW) LONG-TERM BORROWING TOTAL (LONG-TERM SOURCE)	LONG-TERM APPLICATION WORKS OF PORT FACILITIES LAND HANDLING EQUIPMENT TUG TOTAL (WORKS OF PORT FACILITIES) BOND REDEMPTION	LONG-TERM BORROWING TOTAL (BOND REDEMPTION) TOTAL (LONG-TERM APPLICATION) SHORT-TERM SOURCE	TOTAL (SOURCE) SHORY-TERM APPLICATION CASH INCREMENT TOTAL (SHORT-TERM AP.) TOTAL (APPLICATION)

2005	831022.	0. 0. 331022.	0000	49758. 49758. 49758.	831022.	781264. 781264. 831022.
2004	831049.	0. 0. 831049.	0000	47476. 47476. 47476.	831049.	783573. 783573. 831049.
2003	831074.	0. 0. 831074.	0000	45299. 45299. 45299	831074.	785775. 785775. 831074.
2002	631098	6. 0. 831098.	0000	43222. 43222. 43222.	831098.	787876. 787876. 831098.
2001	30000	0. 0. 831122.	0000	41240. 41240. 41240.	831122.	789882. 789882. 831122.
2000	30000.	0. 0. 831144.	6000	39348. 39348. 39348.	831144.	791796. 791796. 831144.
1999	30000.	0. 0. 831165.	0000	37544. 37544. 37544.	831165.	793621. 793621. 831165.
1988 88	800689. 30496.	0. 0. 831185.	0000	35822. 35822. 35822.	831185.	795363. 795363. 831185.
1997	30496.	0. 0. 831204.	0000	34180. 34180. 34180.	831204.	797024. 797024. 831204.
1996	30496.	0. 0. 844873.	0000	6839. 6839. 6839.	844873.	838034. 838034. 844873.
1998	627350. 220421.	0. 0. 847771.	ဝဝဝဝ	1061. 1061. 1061.	847771.	846710. 846710. 847771.
1894	580350. 233048.	0.0 0.3398.	6000	000	813398.	813398. 813398. 813398.

Table M-14 Income Statement (Alternative Case)

1993	318784	706264	140219	76000	16903	22289	142746	2567	51033	550	5910	51510	3240	37634	1545147	124000	304000	640942	399415	1468357		14575	14575	٠.		54543	36821	36821
1992	310083	688193	136632	76000	16637	21937	139342	2456	51572	550	5565	50850	3030	36994	1509837	124000	304000	651742	399415	1479157	٠	14575	14575		. •	54414	-9129	-9159
1961	302014	670123	133044	46000	16370	21586	135957	2346	52111	550	5205	50160	2835	36354	1474652	124000	304000	653238	399415	1480653		14575	14575			54414	-45840	-45840
1990	293811	652052	129456	46000	16104	21235	132553	2236	52650	550	4855	49500	2640	35714	1439342	124000	304000	336023	399415	1163438		14575	145.75	٠		54414	236065	236065
1989	273167	604187	116987	46000	14809	19528	121490	2318	50790	550	4320	45750	2775	35157	1337825	126000	304000	282755	399415	1110170		14575	14575			15502	226728	216728
1988	252522	556322	104517	46000	13515	17821	110427	2401	48930	550	3795	42030	2910	34599	1236338	124000	304000	263797	322544	1014341		14575	14575		. :	9619	226953	226953
1987	231877	508457	92048	46000	12259	16164	99364	2493	47070	250	3255	38280	3030	34042	1134888	124000	304000	247864	295227	1601/6		14575	14575		,	5028	173344	173344
1986	211232	460592	79578	46000	10964	14458	88301	2576	45210	550	2730	34560	3165	33484	1033400	124000	304000	259041	271646	958687		14575	14575	:		172	89115	89115
: 1985	190588	412727	67109	46000	9670	12751	77238	2659	43350	550	2205	30810	3300	32927	931822	126000	304000	252366	244462	924828		0	0			0	7055	7055
Item	OPERATING REVENUES CHARGES FOR FACILITIES LOADING & UNLOADING CHARGE	CARGO HANDLING CHARGE	CHARGE FOR USE OF STORAGE	CIHER (NATIONAL)	WATER SUPPLY	TOWAGE	PORT DUES (FOREIGN TRADE)	PORT DUES (DOMESTIC IRADE)	FUMIGATION & OTHER	OTHER (COMPANY)	CHARGE FOR USE OF WHARF (EX)	CHARGE FOR USE OF WHARF (IM)	CHARGE FOR USE OF WHARF (DM)	CHARGE FOR USE OF QUAYWALL	TOTAL (OPERATING REVENUES)	DERSONNEL & OTHER (NATIONAL)	PERSONNEL & OTHER (COMPANY)	DEPRECIATION EXPENSE	MAINTENANCE & REPAIR	TOTAL (OPERATING EXPENSES)	NON-OPERATING REVENUES	DIVIDEND	TOTAL (NON-OPERATING REVENUE)	NON-OPERATING LOSSES	INTEREST ON PUBLIC BOND & DEBT	INTEREST ON LONG-TERM LOAN	NET INCOME BEFORE TAX	NET INCOME

2005		367093	814687	46000	18502	23497	163133	3220	4/800	550	8055	25560	4425	41414	1756641	6	124000	304000	25685	399415	1084100	14575	14575	95861	591255	591255
2004		367093	814687	46000	18502	24397	163133	3220	47800	550	8055	55560	4425	7177	1756641		124000	304000	256685	399415	1084100	14575	14575	95736	951320	951320
2003		367093	814687	76000	18502	24397	163133	3220	47800	550	8055	55560	4425	41414	1756641		124000	304000	256685	399415	1084100	14575	14575	95734	591382	591382
 2002		360993	814687	46000	18502	24397	163133	3220	47800	550	8055	55560	4425	41414	1756641		774000	304000	256685	399415	1084100	14575	14575	95675	591441	591441
2001		367093	814687	46000	18502	24397	163133	3220	47800	550	8055	55560	4425	41474	1756641		124000	304000	286685	399415	1114100	14575	14575	95618	561498	261498
2000		367093	814687 161746	76000	18502	24397	163133	3220	47800	920	8055	55560	4425	41474	1756641		124000	304000	400000	399415	1227415	14575	14575	95564	448237	448237
 1999		367093	814687	76000	18502	24397	163133	3220	47800	550	8055	55560	4425	41474	1,756641	•	124000	304000	400000	399415	1227415	14575	14575	95513	448288	448288
1998		358890	796616 158158	00097	18236	24046	159729	3110	48339	. 550	7695	24900	4230	40834	1721330	4	124000	304000	408153	399415	1.235568	14575	14575	95463	707877	404874
1997	· · · · · · · · · · · · · · · · · · ·	350824	178546	46000	17969	23694	156344	2999	82887	550	7335	54210	4035	40104	1686146	6	124000	304000	4081.53	399415	1235568	14575	14575	95417	369736	369736
1996	- - - -	342620	150983	46000	17703	23343	152940	2889	49417	550	0669	53550	3825	39554	1650835		74000	304000	408153	399415	1235568	14575	14575	66100	363742	363742
1995		334554	742405 147395	46000	17436	22992	149536	2778	49956	050	6630	52360	3630	38914	1615633	6	124000	304000	619998	399415	1447413	14575	14575	61661	121133	121133
1994		326351	143807	00097	17170	22640	146150	2677	50494	550	6270	52200	3435	38274	1580350	6	174000	304000	632625	399415	1460040	14575	14575	58200	16684	76684

Table M-15 Source and Application of Funds (Alternative Case)

1993	36821.	640942.	0. 0. 0. 677763.	3000000000	257. 257. 257.	677763. 677507. 677507. 677763.
1992	-9159.	651742.	0. 0. 0. 642583.	300000000		642583. 642583. 642583.
1991	-45840.	653238.	0. 0. 0. 607398.	00000000	0 000	607398. 607398. 607398. 607398.
1990	236065.	336023.	0. 0. 0. 572088.	00000000		572088. 572088. 572088.
1989	226728.	282755.	0 989911 1638400. 3137794.	3315. 0. 51737. 52842. 1919997. 24950. 24200.	2628311. 0. 2628311.	3137794. 509483. 509483. 3137794.
1988	226953.	263797.	0. 768428. 247700. 1506877.	4972. 59635. 502293. 61363. 335545. 28120. 24200.	1016128. 0. 1016128.	1506877. 490749. 490749.
1987	173344.	247864.	935496. 193300. 1550003.	141133. 178905. 537790. 8520. 196068. 0. 42180. 24200.	1128796. 0. 1128796.	1550003. 421207. 421207. 1550003.
1986	89115.	259041.	0. 1130655. 204440. 1683250.	37355. 538760. 654500. 0. 13900. 42180. 48400.	1335095. 0. 1335095.	1683250. 348155. 348155. 1683250.
1985	7055.	252366.	789000. 187615. 7260. 1243295.	533875 0 0 0 0 0	983875. 983875. 0 983875.	1243295. 259420. 259420. 1243295.
Item	SOURCE LONG-TERM SOURCE NET INCOME	DEPRECIATION RESERVES LONG-TERM FUNDS	SUNDS GOVERNHENTAL BOND (EXIST) GOVERNHENTAL BOND (NEW) LONG-TERM BORROWING TOTAL (LONG-TERM SOURCE) APPLICATION	LAND BREAKWATER WATERHAY ANCHORAGE BERTH & BUOY PORT TRAFFIC HANDLING EQUIPMENT PASSENGER TERMINAL PARK & OTHER ENVIRONMENT WATER SUPPLYING FACILITY	TOTAL (WORKS OF PORT FACILI BOND REDEMPTION LONG-TERM BORROWING TOTAL (BOND REDEMPTION) TOTAL (LONG-TERM APPLICATION)	SHUKI-TEKH SUUKCE TOTAL (SOURCE) SHORT-TERM APPLICATION CASH INCREMENT TOTAL (SHORT-TERM AP.) TOTAL (APPLICATION)

	2005	591255.	256685.	000	847939.	<del>0</del> c	000	်ဝင	i a a	00	121183. 121183. 121183.	847939.	726756. 726756. 847939.
•	2004	591320.	256685.	000	848004	9°C		်ဝင	000	000	115626. 115626. 115626.	848004.	732378. 732378. 848004.
	2003	591382.	256685.	000	848067.	90	ide	်ပ ပြ	်ဝင်	ا م	110324. 110324. 110324.	848067.	737743. 737743. 848067.
	2002	591441.	256685.	000	848126.	90	د	o o o	စ်ဝင်	600	105264. 105264. 105264.	848126.	742861. 742861. 848126.
	2001	561498.	286685.	000	848182.	90	်ဝင် (	900			100437. 100437. 100437.	848182.	747745. 747745. 848182.
	2000	448237.	400000.	000	848237.	<i>o</i> c	óóc	်ပ ဝ		00	95831. 95831. 95831.	848237.	752405. 752405. 848237.
	1999	448288.	400000.	000	848288.	00		ي ن د	ંંં	600	91437. 91437. 91437.	848288.	756851. 756851. 848288.
	1998	104874.	408153.	000	813026.	000	်ဝင်	, o c	<i>i</i> c c	500	87244. 87244. 87244.	813026.	725783. 725783. 813026.
	1997	369736.	408153.	000	777889.	00	900	j 0 0		600	83243. 83243. 83243.	777889.	694646. 694646. 777889.
	1996	363742.	408153.	000	771895.	ဝ ဇ	600		, o c	်စ်ဝ	24155. 24155. 24155.	771895.	747739. 747739. 771895.
	1995	121133.	619998.	<b>0</b> 00	741131.	ó		ခြင်	ં <b>ં</b> ૦	600	14692. 14692. 14692.	741131.	726439. 726439. 741131.
	1994	76684.	632625.	ဝဝင်	709310.	ÖC	· • • •	900	900	်ဝ <b>်</b> ဝ	7497. 7497. 7497.	709310.	701812. 701812. 709310.

