

補遺 9 - 6 - 1 経済的内部収益率の計算 (ケース A)

***** Batangas Port (Case A)

***** IRR(%) = 19.69

NO.	YEAR	COST	BENEFIT	BNFT. - COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4102.00	0.00	-4102.00	2863.22	0.00	-2863.22
4	1987	4102.00	0.00	-4102.00	2392.13	0.00	-2392.13
5	1988	161617.00	0.00	-161617.00	78741.70	0.00	-78741.70
6	1989	110125.00	0.00	-110125.00	44826.30	0.00	-44826.30
7	1990	2187.00	64798.00	62611.00	743.75	22036.30	21292.50
8	1991	2187.00	64798.00	62611.00	621.38	18410.60	17789.20
9	1992	2187.00	64798.00	62611.00	519.14	15381.50	14862.30
10	1993	2187.00	64798.00	62611.00	433.72	12850.70	12417.00
11	1994	2187.00	64798.00	62611.00	362.36	10736.30	10374.00
12	1995	2187.00	64798.00	62611.00	302.74	8969.86	8667.12
13	1996	2187.00	64798.00	62611.00	252.93	7494.03	7241.09
14	1997	2187.00	64798.00	62611.00	211.32	6261.01	6049.70
15	1998	2187.00	64798.00	62611.00	176.55	5230.87	5054.32
16	1999	2187.00	64798.00	62611.00	147.50	4370.22	4222.72
17	2000	2187.00	64798.00	62611.00	123.23	3651.18	3527.95
18	2001	2187.00	64798.00	62611.00	102.96	3050.44	2947.48
19	2002	2187.00	64798.00	62611.00	86.02	2548.54	2462.53
20	2003	2187.00	64798.00	62611.00	71.86	2129.22	2057.36
21	2004	2187.00	64798.00	62611.00	60.04	1778.90	1718.86
22	2005	2187.00	64798.00	62611.00	50.16	1486.21	1436.05
23	2006	2187.00	64798.00	62611.00	41.91	1241.68	1199.77
24	2007	2187.00	64798.00	62611.00	35.01	1037.38	1002.37
25	2008	2187.00	64798.00	62611.00	29.25	866.70	837.45
26	2009	2187.00	64798.00	62611.00	24.44	724.10	699.66
27	2010	2187.00	64798.00	62611.00	20.42	604.96	584.54
28	2011	2187.00	64798.00	62611.00	17.06	505.43	488.37
29	2012	2187.00	64798.00	62611.00	14.25	422.27	408.01
30	2013	2187.00	64798.00	62611.00	11.91	352.79	340.88
31	2014	2187.00	64798.00	62611.00	9.95	294.74	284.80
32	2015	2187.00	64798.00	62611.00	8.31	246.25	237.94
33	2016	2187.00	64798.00	62611.00	6.94	205.73	198.79
34	2017	2187.00	64798.00	62611.00	5.80	171.88	166.08
35	2018	2187.00	64798.00	62611.00	4.85	143.60	138.76
36	2019	2187.00	64798.00	62611.00	4.05	119.98	115.93
TOTAL		345556.00	1943940.00	1598380.00	133323.00	133323.00	0.15

UNIT = 1000 Pesos

補遺 9-6-2 経済的内部収益率の計算 (ケース B)

***** Batangas Port (Case B)

***** IRR(%) = 32.31

NO.	YEAR	COST	BENEFIT	BNFT. -COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4512.00	0.00	-4512.00	2577.25	0.00	-2577.25
4	1987	4512.00	0.00	-4512.00	1947.83	0.00	-1947.83
5	1988	17779.00	0.00	-17779.00	58003.80	0.00	-58003.80
6	1989	121138.00	0.00	-121138.00	29871.00	0.00	-29871.00
7	1990	2367.00	123480.00	121113.00	441.13	23012.30	22571.20
8	1991	2367.00	123480.00	121113.00	333.39	17392.20	17058.80
9	1992	2367.00	123480.00	121113.00	251.97	13144.60	12892.70
10	1993	2367.00	123480.00	121113.00	190.43	9934.42	9743.99
11	1994	2367.00	123480.00	121113.00	143.93	7508.21	7364.29
12	1995	2367.00	123480.00	121113.00	108.78	5674.54	5565.76
13	1996	2367.00	123480.00	121113.00	82.21	4288.69	4206.48
14	1997	2367.00	123480.00	121113.00	62.13	3241.30	3179.16
15	1998	2367.00	123480.00	121113.00	46.96	2449.70	2402.74
16	1999	2367.00	123480.00	121113.00	35.49	1851.43	1815.94
17	2000	2367.00	123480.00	121113.00	26.82	1399.27	1372.44
18	2001	2367.00	123480.00	121113.00	20.27	1057.53	1037.26
19	2002	2367.00	123480.00	121113.00	15.32	799.26	783.94
20	2003	2367.00	123480.00	121113.00	11.58	604.06	592.48
21	2004	2367.00	123480.00	121113.00	8.75	456.54	447.79
22	2005	2367.00	123480.00	121113.00	6.61	345.04	338.43
23	2006	2367.00	123480.00	121113.00	5.00	260.77	255.78
24	2007	2367.00	123480.00	121113.00	3.78	197.09	193.31
25	2008	2367.00	123480.00	121113.00	2.86	148.95	146.10
26	2009	2367.00	123480.00	121113.00	2.16	112.58	110.42
27	2010	2367.00	123480.00	121113.00	1.63	85.08	83.45
28	2011	2367.00	123480.00	121113.00	1.23	64.30	63.07
29	2012	2367.00	123480.00	121113.00	0.93	48.60	47.67
30	2013	2367.00	123480.00	121113.00	0.70	36.73	36.03
31	2014	2367.00	123480.00	121113.00	0.53	27.76	27.23
32	2015	2367.00	123480.00	121113.00	0.40	20.98	20.58
33	2016	2367.00	123480.00	121113.00	0.30	15.86	15.55
34	2017	2367.00	123480.00	121113.00	0.23	11.98	11.75
35	2018	2367.00	123480.00	121113.00	0.17	9.06	8.88
36	2019	2367.00	123480.00	121113.00	0.13	6.85	6.71
TOTAL		378951.00	3704400.00	3325450.00	94205.80	94205.70	-0.01

UNIT = 1000 Pesos

補遺 9 - 6 - 3 経済的内部収益率の計算 (ケース C)

***** Batangas Port (Case C)

***** IRR (%) = 34.69

NO.	YEAR	COST	BENEFIT	BNFT. - COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4361.00	0.00	-4361.00	2403.86	0.00	-2403.86
4	1987	4361.00	0.00	-4361.00	1784.72	0.00	-1784.72
5	1988	173596.00	0.00	-173596.00	52745.60	0.00	-52745.60
6	1989	115748.00	0.00	-115748.00	26110.90	0.00	-26110.90
7	1990	2299.00	130025.00	127726.00	385.04	21776.90	21391.90
8	1991	2299.00	130025.00	127726.00	285.87	16168.00	15882.20
9	1992	2299.00	130025.00	127726.00	212.24	12003.80	11791.60
10	1993	2299.00	130025.00	127726.00	157.58	8912.11	8754.54
11	1994	2299.00	130025.00	127726.00	116.99	6616.71	6499.72
12	1995	2299.00	130025.00	127726.00	86.86	4912.51	4825.66
13	1996	2299.00	130025.00	127726.00	64.49	3647.25	3582.76
14	1997	2299.00	130025.00	127726.00	47.88	2707.86	2659.99
15	1998	2299.00	130025.00	127726.00	35.55	2010.43	1974.88
16	1999	2299.00	130025.00	127726.00	26.39	1492.62	1466.23
17	2000	2299.00	130025.00	127726.00	19.59	1108.18	1088.59
18	2001	2299.00	130025.00	127726.00	14.55	822.76	808.21
19	2002	2299.00	130025.00	127726.00	10.80	610.85	600.05
20	2003	2299.00	130025.00	127726.00	8.02	453.52	445.50
21	2004	2299.00	130025.00	127726.00	5.95	336.71	330.76
22	2005	2299.00	130025.00	127726.00	4.42	249.99	245.57
23	2006	2299.00	130025.00	127726.00	3.28	185.60	182.32
24	2007	2299.00	130025.00	127726.00	2.44	137.80	135.36
25	2008	2299.00	130025.00	127726.00	1.81	102.31	100.50
26	2009	2299.00	130025.00	127726.00	1.34	75.96	74.61
27	2010	2299.00	130025.00	127726.00	1.00	56.39	55.40
28	2011	2299.00	130025.00	127726.00	0.74	41.87	41.13
29	2012	2299.00	130025.00	127726.00	0.55	31.08	30.54
30	2013	2299.00	130025.00	127726.00	0.41	23.08	22.67
31	2014	2299.00	130025.00	127726.00	0.30	17.13	16.83
32	2015	2299.00	130025.00	127726.00	0.22	12.72	12.50
33	2016	2299.00	130025.00	127726.00	0.17	9.44	9.28
34	2017	2299.00	130025.00	127726.00	0.12	7.01	6.89
35	2018	2299.00	130025.00	127726.00	0.09	5.21	5.11
36	2019	2299.00	130025.00	127726.00	0.07	3.87	3.80
TOTAL		367036.00	3900750.00	3533710.00	84539.80	84539.70	-0.02

UNIT = 1000 Pesos

補遺 9 - 6 - 4 経済的内部収益率の計算 (ケース D)

***** Batangas Port(Case D)
***** IRR(%) = 31.29

NO.	YEAR	COST	BENEFIT	BNFT. - COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4102.00	0.00	-4102.00	2379.90	0.00	-2379.90
4	1987	4102.00	0.00	-4102.00	1812.76	0.00	-1812.76
5	1988	161617.00	0.00	-161617.00	54401.90	0.00	-54401.90
6	1989	110125.00	0.00	-110125.00	28235.50	0.00	-28235.50
7	1990	2187.00	108170.00	105983.00	427.11	21125.00	20697.90
8	1991	2187.00	108170.00	105983.00	325.33	16090.90	15765.50
9	1992	2187.00	108170.00	105983.00	247.80	12256.40	12008.50
10	1993	2187.00	108170.00	105983.00	188.75	9335.62	9146.87
11	1994	2187.00	108170.00	105983.00	143.77	7110.90	6967.13
12	1995	2187.00	108170.00	105983.00	109.51	5416.35	5306.84
13	1996	2187.00	108170.00	105983.00	83.41	4125.61	4042.20
14	1997	2187.00	108170.00	105983.00	63.53	3142.46	3078.93
15	1998	2187.00	108170.00	105983.00	48.39	2393.60	2345.21
16	1999	2187.00	108170.00	105983.00	36.86	1823.20	1786.34
17	2000	2187.00	108170.00	105983.00	28.08	1388.72	1360.65
18	2001	2187.00	108170.00	105983.00	21.39	1057.78	1036.40
19	2002	2187.00	108170.00	105983.00	16.29	805.71	789.42
20	2003	2187.00	108170.00	105983.00	12.41	613.71	601.30
21	2004	2187.00	108170.00	105983.00	9.45	467.46	458.01
22	2005	2187.00	108170.00	105983.00	7.20	356.06	348.86
23	2006	2187.00	108170.00	105983.00	5.48	271.21	265.73
24	2007	2187.00	108170.00	105983.00	4.18	206.58	202.40
25	2008	2187.00	108170.00	105983.00	3.18	157.35	154.17
26	2009	2187.00	108170.00	105983.00	2.42	119.85	117.43
27	2010	2187.00	108170.00	105983.00	1.85	91.29	89.45
28	2011	2187.00	108170.00	105983.00	1.41	69.54	68.13
29	2012	2187.00	108170.00	105983.00	1.07	52.97	51.90
30	2013	2187.00	108170.00	105983.00	0.82	40.34	39.53
31	2014	2187.00	108170.00	105983.00	0.62	30.73	30.11
32	2015	2187.00	108170.00	105983.00	0.47	23.41	22.93
33	2016	2187.00	108170.00	105983.00	0.36	17.83	17.47
34	2017	2187.00	108170.00	105983.00	0.27	13.58	13.31
35	2018	2187.00	108170.00	105983.00	0.21	10.34	10.13
36	2019	2187.00	108170.00	105983.00	0.16	7.88	7.72
TOTAL		345556.00	3245100.00	2899540.00	88621.80	88622.30	0.52

UNIT = 1000 Pesos

補遺 9 - 6 - 5 経済的内部収益率の計算 (ケース E)

***** Batangas Port (Case E)
 ***** IRR (%) = 33.80

NO.	YEAR	COST	BENEFIT	BNFT. - COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4102.00	0.00	-4102.00	2291.40	0.00	-2291.40
4	1987	4102.00	0.00	-4102.00	1712.59	0.00	-1712.59
5	1988	161617.00	0.00	-161617.00	50431.20	0.00	-50431.20
6	1989	110125.00	0.00	-110125.00	25683.30	0.00	-25683.30
7	1990	2187.00	118310.00	116123.00	381.21	20622.40	20241.20
8	1991	2187.00	118310.00	116123.00	284.92	15413.20	15128.30
9	1992	2187.00	118310.00	116123.00	212.95	11519.80	11306.90
10	1993	2187.00	118310.00	116123.00	159.16	8609.90	8450.74
11	1994	2187.00	118310.00	116123.00	118.95	6435.04	6316.08
12	1995	2187.00	118310.00	116123.00	88.91	4809.54	4720.64
13	1996	2187.00	118310.00	116123.00	66.45	3594.65	3528.20
14	1997	2187.00	118310.00	116123.00	49.66	2686.64	2636.98
15	1998	2187.00	118310.00	116123.00	37.12	2008.00	1970.88
16	1999	2187.00	118310.00	116123.00	27.74	1500.78	1473.03
17	2000	2187.00	118310.00	116123.00	20.73	1121.68	1100.94
18	2001	2187.00	118310.00	116123.00	15.50	838.34	822.85
19	2002	2187.00	118310.00	116123.00	11.58	626.58	614.99
20	2003	2187.00	118310.00	116123.00	8.66	468.30	459.65
21	2004	2187.00	118310.00	116123.00	6.47	350.01	343.54
22	2005	2187.00	118310.00	116123.00	4.84	261.60	256.76
23	2006	2187.00	118310.00	116123.00	3.61	195.52	191.90
24	2007	2187.00	118310.00	116123.00	2.70	146.13	143.43
25	2008	2187.00	118310.00	116123.00	2.02	109.22	107.20
26	2009	2187.00	118310.00	116123.00	1.51	81.63	80.12
27	2010	2187.00	118310.00	116123.00	1.13	61.01	59.88
28	2011	2187.00	118310.00	116123.00	0.84	45.60	44.76
29	2012	2187.00	118310.00	116123.00	0.63	34.08	33.45
30	2013	2187.00	118310.00	116123.00	0.47	25.47	25.00
31	2014	2187.00	118310.00	116123.00	0.35	19.04	18.69
32	2015	2187.00	118310.00	116123.00	0.26	14.23	13.97
33	2016	2187.00	118310.00	116123.00	0.20	10.63	10.44
34	2017	2187.00	118310.00	116123.00	0.15	7.95	7.80
35	2018	2187.00	118310.00	116123.00	0.11	5.94	5.83
36	2019	2187.00	118310.00	116123.00	0.08	4.44	4.36
TOTAL		345556.00	3549300.00	3203740.00	81627.30	81627.30	-0.03

UNIT = 1000 Pesos

補遺 10-3-1 PPA 損益計算書 (1984年)

Revenue from Operations -	Consolidated	Central Office	All PMU'S
Berthing Charges	¥ 45,920,434.73	¥ -	¥ 45,920,434.73
Anchorage Fees	10,199,915.93	-	10,199,915.93
Wharfage Dues	181,536,637.81	-	181,536,637.81
Storage Charges	26,719,361.52	-	26,719,361.52
Arraastre Income	85,920,063.52	-	85,920,063.52
Port Usage Fee.	27,645,287.07	-	27,645,287.07
Lay-up Fee	1,559,053.62	-	1,559,053.62
Harbor Fee	33,250,987.13	-	33,250,987.13
Other Income	31,771,463.69	467,858.36	31,303,605.33
Fund Management Income	58,809,409.98	58,809,409.98	-
Total Revenue	¥503,332,615.00	¥ 59,277,268.34	¥444,055,346.66
Less: Operating Expenses -- Note 8			
Personnel Services			
Salaries & Wages	¥ 34,291,824.78	¥ 9,748,453.55	¥ 24,543,371.23
Social Security Premium	4,158,355.27	1,225,449.62	2,932,905.65
Manpower Development	42,098.39	14,509.44	27,588.95
Professional Fees	156,763.00	156,763.00	-
Other Staff Benefits	24,222,159.77	7,108,717.00	17,113,442.77
Maintenance & Operating Expenses:			
Repairs & Maintenance - Note 9	41,837,915.33	12,039,611.65	29,798,303.68
Supplies & Materials	1,916,148.44	411,781.49	1,504,366.95
Fuel, Oil & Lubricant	1,743,246.49	667,337.97	1,075,908.52
Light, Power & Water	4,625,824.87	1,515,882.04	3,109,942.83
Rent	3,736,318.88	2,944,798.88	791,520.00
Travelling	1,050,188.87	397,645.66	652,543.21
Security Services	2,963,772.11	235,374.90	3,728,397.21
Representation	483,557.90	351,557.90	132,000.00
Communication Services	932,368.85	312,318.02	620,050.83
Athletics	51,400.00	24,700.00	26,700.00
Taxes, Licenses & Fees	15,517,695.32	1,582,219.42	13,935,475.90
Insurance	8,265,385.66	8,265,385.66	-
Advertising & Promotion	7,606.00	7,606.00	-
Donations & Contributions	5,000.00	5,000.00	-
Bank Charges	8,761.34	8,311.34	450.00
Miscellaneous	1,372,689.57	1,061,508.13	311,181.44
Auditing Services	3,481,044.02	2,732,590.71	748,453.31
Meetings & Conferences	278,148.05	39,637.76	238,510.29
Medical Expenses	705,048.65	368,591.74	336,456.91
Depreciation Expenses	88,947,969.51	31,342,715.00	57,605,254.51
Dredging Expense	50,829,720.00	50,829,720.00	-
Amortization of Vitas Project	13,705,503.29	13,705,503.29	-
Total Operating Expenses	¥306,336,514.36	¥147,103,690.17	¥159,232,824.19
Add: Other Expenses in excess of Appropriation			
Interest on Loans	¥ 93,021,565.44	¥ 93,021,565.44	-
Currency Exchange Adjustments	35,187,935.42	35,187,935.42	-
Total	¥128,209,500.86	¥128,209,500.86	¥ -
Total Operating Expenses & Other Expenses in excess of Appropriation	¥434,546,015.22	¥275,313,191.03	¥159,232,824.19
Net Income (Loss) from Operations	¥ 68,786,599.78	(¥216,035,922.69)	¥284,822,522.47

補遺 10-3-2 PPA 貸借対照表

<u>A S S E T S</u>			
	1984	1983	Increase (Decrease)
<u>Current Assets</u>			
Cash on hand and in banks	¥ 183,348,402.00	¥ 227,985,754.00	(¥ 44,637,352.00)
Temporary Investments	418,356,862.00	291,757,679.00	126,599,183.00
Accounts Receivable	49,340,162.00	44,854,572.00	4,485,590.00
Other Current Assets	123,521,770.00	125,693,418.00	(2,171,648.00)
Total Current Assets	<u>774,567,196.00</u>	<u>690,291,423.00</u>	<u>84,275,773.00</u>
<u>Permanent Investment</u>			
Bond Sinking Fund	<u>10,646,276.00</u>	<u>10,286,258.00</u>	<u>360,018.00</u>
<u>Fixed Assets</u>			
<u>Non-Depreciable Assets</u>			
Land	604,732,197.00	604,732,197.00	- 0 -
Construction in progress	948,055,517.00	716,649,204.00	231,406,313.00
Total Non-Depreciable Assets	<u>1,552,787,714.00</u>	<u>1,321,381,401.00</u>	<u>231,406,313.00</u>
<u>Depreciable Assets</u>			
Land Improvement	2,253,165,639.00	2,253,792,941.00	(627,302.00)
Furniture, Fixtures & Equipment	578,201,085.00	555,487,068.00	22,714,017.00
Total Depreciable Assets	<u>2,831,366,724.00</u>	<u>2,809,280,009.00</u>	<u>(22,086,715.00)</u>
Less: Accumulated Depreciation	1,050,374,772.00	963,086,699.00	87,288,073.00
Total Net of Depreciation	<u>1,780,991,952.00</u>	<u>1,846,193,310.00</u>	<u>(65,201,358.00)</u>
Total Fixed Assets	<u>3,333,779,666.00</u>	<u>3,167,574,711.00</u>	<u>166,204,955.00</u>
<u>Deferred Charges</u>			
Deferred Dredging	-	127,393,704.00	(127,393,704.00)
Total Deferred Charges	-	<u>127,393,704.00</u>	<u>(127,393,704.00)</u>
<u>Other Assets</u>			
Contingent Assets	3,750,622.00	4,134,989.00	(384,367.00)
Total Other Assets	<u>3,750,622.00</u>	<u>4,134,989.00</u>	<u>(384,367.00)</u>
TOTAL ASSETS	<u>¥4,122,743,760.00</u>	<u>¥3,999,681,085.00</u>	<u>¥123,062,675.00</u>
<u>LIABILITIES AND NET WORTH</u>			
<u>Current Liabilities</u>			
Accounts Payable	¥ 199,875,574.00	¥ 240,553,818.00	(¥ 40,678,244.00)
Other Current Liabilities	15,149,949.00	13,157,092.00	1,992,857.00
Total Current Liabilities	<u>215,025,523.00</u>	<u>253,710,910.00</u>	<u>(38,685,387.00)</u>
<u>Long Term Liabilities</u>			
	<u>1,066,046,304.00</u>	<u>854,909,668.00</u>	<u>211,136,636.00</u>
<u>Other Liabilities</u>			
Contingent Liabilities	300,901.00	232,039.00	68,862.00
TOTAL LIABILITIES	<u>1,281,372,728.00</u>	<u>1,108,852,617.00</u>	<u>172,520,111.00</u>
<u>NET WORTH</u>			
Capital Contribution	¥2,390,761,703.00	¥2,390,768,139.00	(¥ 6,436.00)
Surplus Reserve	4,164,635.00	3,804,427.00	360,208.00
Retained Earnings 1983/1982	496,255,902.00	400,446,762.00	95,809,140.00
Less: Correction on Prior Year's Earning Balance	118,597,808.00	13,017,873.00	105,579,935.00
Add: Net Income from Operations	68,786,600.00	108,827,013.00	(40,040,413.00)
Retained Earnings - 1984/1983	<u>446,444,694.00</u>	<u>496,255,902.00</u>	<u>(49,811,208.00)</u>
TOTAL NET WORTH	<u>2,841,371,032.00</u>	<u>2,890,828,468.00</u>	<u>(49,457,436.00)</u>
TOTAL LIABILITIES AND NET WORTH	<u>¥4,122,743,760.00</u>	<u>¥3,999,681,085.00</u>	<u>¥123,062,675.00</u>


A. CHARGES ON VESSELS

1. Vessels engaged in international (foreign) trade that enter any port whether private or government shall be charged a HARBOR FEE on each call based on GRT, as follows:

1 9 8 5	
April	October 1
\$ 0.054/GRT	\$ 0.062/GRT

2. Vessels engaged in international (foreign) trade that berth at any port of call shall also be charged a BERTHING FEE per GRT per calendar day or fraction, as follows, provided that, for purposes of computation, a maximum of 30,000 GRT shall be used:

1 9 8 5	
April 1	October 1
At a Government Port \$ 0.026/GRT	\$ 0.030/GRT
At a Private Port \$ 0.019/GRT	\$ 0.021/GRT

3. Vessels engaged in international (foreign) trade that do not berth but drop anchor at either a government or privately-owned port shall also be charged an ANCHORAGE FEE of one-half (1/2) of the corresponding berthing fee at a government port subject to the same maximum 30,000 GRT, as follows: 

1 9 8 5

APRIL 1

OCTOBER 1

\$ 0.013/GRT

\$ 0.015/GRT

4. Vessels engaged in coastal (domestic) trade that berth or drop anchor at any port whether government or privately-owned shall be charged a port USAGE FEE, as follows:

1 9 8 5

April 1

October 1

Up to 5 GRT

NO CHARGE

6 to 100 GRT per calendar day or fraction

P 16.40

P 18.80

Over 100 GRT per GRT per calendar day or fraction

P 0.164

P 0.188

PROVIDED that the USAGE FEE shall also apply on those vessels authorized to engage in the so-called "Barter Trade" and, PROVIDED FURTHER that registered bay and river trade vessels shall pay one-half (1/2) of the required USAGE FEE but in no case less than or more than the following charges for a calendar day or fraction:

1 9 8 5

April 1

October 1

Not less than

P 16.40

P 18.80

Nor more than

P 82.00

P 94.00

5. Vessels engaged in coastal (domestic) trade that are authorized to temporarily lay up and anchor at any port shall be charged a LAY UP FEE corresponding to one-half of the applicable USAGE FEE.

	1 9 8 5	
	April 1	October 1
6 - 100 GRT per calendar day or fraction	P 8.20	P 9.40
Over 100 GRT per GRT per calendar day or fraction	P 0.082	P 0.094

B. CHARGES ON CARGOES

6. All non-containerized foreign cargoes coming from (imported), going out (exported) or transhipped through a government-owned wharf shall be charged a WHARFAGE FEE for the use of port facilities on the basis of the total revenue tonnage rounded off to the nearest ton, as follows.

	1 9 8 5	
	April 1	October 1
If Imported, per revenue ton	P 20.50	P 23.50
If Exported, per revenue ton	P 10.25	P 11.75
Foreign Transhipment a single charge per revenue ton payable by the shipping/line agent	P 0.466	P 0.534

PROVIDED that the minimum charge shall be P5.00.

7. All containerized foreign cargoes wholly-owned by a single shipper/consignee (FCL) shall be charged a WHARFAGE FEE per box, as follows:

	1 9 8 5	
	April 1	October 1
<u>If Imported</u>		
20 - ft	P348.50	P399.50
35 - ft	440.75	505.25
40 - ft	522.75	599.25
45 - ft	615.00	705.00
<u>If Exported</u>		
20 - ft	P174.25	P199.75
35 - ft	221.40	253.80
40 - ft	262.40	300.80
45 - ft	307.50	352.50
<u>Foreign Transshipment</u>		
20 - ft	\$ 8.01	\$ 9.18
35 - ft	10.06	11.53
40 - ft	11.92	13.67
45 - ft	13.97	16.02

PROVIDED THAT if cargoes in a box are owned by more than one (1) shipper/consignee, that is, LCL containers, the WHARFAGE FEE for non-containerized cargoes shall apply; and PROVIDED FURTHER that NO WHARFAGE FEE shall be charged on empty containers, i.e., without contents of any sort.

8. All non-containerized domestic cargoes shall be charged a WHARFAGE FEE as they enter or leave a government-owned wharf on the basis of their total revenue tonnage rounded off to the nearest ton at rates as follows:

	1 9 8 5	
	April 1	October 1
Per revenue ton	P 1.44	P 1.65

PROVIDED that the minimum charge shall be P1.00.

9. Domestic containerized cargoes wholly-owned by a single shipper/consignee (FCL) shall be charged a WHARFAGE FEE on a box basis as the box enters or leave a government-owned wharf at the following rates

	1 9 8 5	
	April 1	October 1
10 - ft box or shorter	P 11.48	P 13.16
20 - ft	22.96	26.32
35 - ft	28.70	32.90
40 - ft	34.44	39.48
45 - ft	40.18	46.06

PROVIDED that if cargoes in a box are owned by more than one shipper/consignee (LCL), the wharfage fee for non-containerized cargo shall apply. PROVIDED FURTHER, that no wharfage fee shall be charged on an empty box, i.e., without contents of any sort.

10. The WHARFAGE FEE for all foreign and domestic cargoes whether containerized or not that are loaded or discharged at a privately-owned wharf or at an anchorage area shall be one-half (1/2) of the corresponding charge for one (1) that is government-owned, as follows:

	1 9 8 5	
	April 1	October 1
a) Foreign		
<u>Non-Containerized</u>		
If Imported/R.T.	P 10.25	P 11.75
If Exported/R.T.	P 5.13	P 5.88
Transshipment/R.T.	\$ 0.23	\$ 0.27
<u>Containerized (FCL) (Per Box)</u>		
<u>If Imported:</u>		
20 - ft	P174.25	P199.75
35 - ft	221.40	253.80
40 - ft	262.40	300.80
45 - ft	307.50	352.50
<u>If Exported:</u>		
20 - ft	P 88.15	P101.05
35 - ft	110.70	126.90
40 - ft	131.20	150.40
45 - ft	153.75	176.25

ADG

1 9 8 5

April 1

October 1

Foreign Transshipment:

20 - ft	\$ 3.91	\$ 4.49
35 - ft	5.03	5.77
30 - ft	5.96	6.84
45 - ft	6.89	7.90

b) Domestic

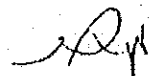
Non-Containerized	P 0.72	P 0.82
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Containerized (FCL)

(Per Box)

10 - ft	P 5.74	P 6.58
20 - ft	11.48	13.16
35 - ft	14.35	16.45
40 - ft	17.22	19.74
45 - ft	20.09	23.03

11. The WHARFAGE FEE for all foreign and domestic cargoes whether containerized or not that are loaded or discharged from a vessel at anchor without using any wharf of a government or privately-owned port shall be one-half (1/2) of the corresponding charge for one (1) that is government-owned. (Same as No. 10).
12. A STORAGE FEE shall be charged on cargoes that remain in any government-owned port beyond the "free storage period".



The said period is defined for all types of cargoes as follows:

- a) For Imported cargoes 8 calendar days after the day that the last item of cargo is discharged from the carrying vessel.
- b) For Export Cargoes 5 calendar days from the day that the cargo is received at the port.
- c) For Foreign Transshipment a total of 15 calendar days from the day of arrival to the day of departure.
- d) For domestic Cargoes Entering any port 2 calendar days prior to the day that the carrying vessel is scheduled to arrive as announced and approved by the PPA Port Manager.
- e) For Domestic Cargoes discharged at any port 2 calendar days after the day that the last item of cargo is unloaded from the carrying vessel.
- f) For Domestic Cargoes that are "Shutout" (not loaded on their scheduled vessel) 2 calendar days after vessel's departure.

PROVIDED that if the cargo is not loaded as scheduled due to the fault of the vessel or its owner/agent, the resulting fee shall be paid for by the vessel or its owner/agent.

13. The STORAGE FEE for non-containerized cargoes shall be determined on the basis of the number of calendar days that the cargo stays in port after the "free storage period" and the total revenue tonnage of the cargo according to the following schedule per revenue ton per day or fraction, as follows:

1 9 8 5

	April 1	October 1
Imported Cargoes	P 6.56	P 7.52
Cargoes for Export	3.28	3.76
Foreign Transshipment	1.64	1.71
Domestic Cargoes	4.92	5.64

14. The STORAGE FEE of a container whether or not it contains cargo shall be determined on the basis of the number of calendar days the cargo stays in port after the prescribed "Free Storage Period", as follows:

1 9 8 5

	April 1	October 1
<u>Foreign Imported Box</u>		
20 - ft	P209.92	P240.64
35 - ft	367.36	421.12
40 - ft	419.84	481.28
45 - ft	472.32	541.44

1 9 8 5

	April 1	October 1
<u>Foreign Exported Box</u>		
20 - ft	P 52.48	P 60.16
35 - ft	91.84	105.28
40 - ft	104.96	120.32
45 - ft	117.26	134.42

1 9 8 5

	<u>April 1</u>	<u>October 1</u>
<u>Foreign Transhipped Box</u>		
20 - ft	\$ 4.77	\$ 5.47
35 - ft	8.35	9.57
40 - ft	9.54	10.94
45 - ft	10.66	12.22
<u>Domestic Box</u>		
10 - ft	P 55.35	P 63.45
20 - ft	157.44	180.48
35 - ft	274.70	314.90
40 - ft	314.88	360.96

15. For those ports declared as congested by the PPA Board of Directors from time to time, the STORAGE CHARGE for the first 7 calendar days after the "Free Storage Period" shall be the rates prescribed above and thereafter shall be escalated, as follows:

- a) From 8th to the 15th calendar day, twice the prescribed rates.
- b) From the 16th to the 30th calendar day, thrice the prescribed rates.
- c) From the 31st calendar onward, four times the prescribed rates.

PROVIDED that foreign transshipment containers shall not be subject to the said escalation.



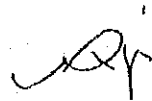
16. Extension of the prescribed "free storage period"

will be allowed only in the following cases:

- a) For reasons of force majeure as authorized by the Port Manager concerned and confirmed by the PPA General Manager or his duly authorized representative.
- b) For reasons of delay in the processing of the required entry or exit documents by the Bureau of Customs as formally attested to by the Commissioner of Customs or his duly authorized representative.
- c) For reasons beyond the control of cargo owner/consignee and found meritorious in accordance with rules and procedures issued by the PPA Board of Directors.

EXEMPTIONS FROM PORT CHARGES

17. Notwithstanding the above provisions, cargoes of duly BOI-registered firms as well as those granted special exemptions by Presidential issuances decreed after 1 January 1976 shall be exempted from payment of port charges until otherwise revoked or amended.



補遺 10-4-1 PMU バタンガス 損益計算書

	1984	1983	Increase (Decrease)
Revenue From Operations:			
Harbor Fee	P 4,458,286.94	P 2,522,929.47	P 1,935,357.47
Berthing Fee	3,227,667.62	1,396,422.16	1,831,245.46
Anchorage Fee	2,526,375.64	839,769.61	1,686,606.03
Usage Fee	2,038,145.02	1,538,378.02	499,767.00
Lay-up Fee	3,980.09	11,718.17	(7,738.08)
Storage	16,437.23	21,777.76	(5,340.53)
Wharfage Dues	38,625,530.51	33,911,213.68	4,714,316.83
Share in Arrastre Income	1,365,852.25	1,191,172.38	174,679.87
Other Income	396,662.96	176,700.72	219,962.24
Total Revenue	P52,658,938.26	P41,610,081.97	P11,048,856.29
Less: Operating Expenses:			
Involving Cash:			
Regular Plantilla Items	P 716,346.14	P 715,044.01	P 1,302.13
Uniform Allowance	-	19,500.00	(19,500.00)
Salary Adjustment/Merit Increases	69,474.27	15,341.00	54,133.27
Social Security Ins. Prem.	105,596.19	99,392.18	6,204.01
Overtime Pay	24,330.85	36,265.76	(11,934.91)
Cost of Living Allowance	333,088.48	231,632.03	101,456.45
Training & Personnel Dev.	-	10,394.20	(10,394.20)
Bonuses & Incentives	188,997.30	155,438.00	33,559.30
Amelioration Pay	71,534.51	71,546.65	(12.14)
Meal Subsidy	45,329.70	46,242.00	(912.30)
Travelling	33,274.20	33,679.70	(405.50)
Communication	12,957.93	7,656.57	5,301.36
- Repairs & Maintenance of Port Facilities	2,635,558.79	515,845.48	2,119,713.31
Security Services	125,711.04	166,291.34	(40,580.30)
Athletics	-	1,823.45	(1,823.45)
Advertising & Promotion	-	500.00	(500.00)
Meetings & Conferences	8,193.88	10,630.00	(2,436.12)
Journals & Subscriptions	75.25	450.25	(375.00)
Insurance, Non-Staff	-	11,992.15	(11,992.15)
Repairs & Maint. - Equip.	14,522.34	8,999.03	5,523.31
Laundry Services	592.00	500.00	92.00
Medical Supplies	9,061.73	11,824.72	(2,762.99)
Medical Attendance	-	2,000.00	(2,000.00)
Supplies & Materials	47,870.76	44,800.00	3,070.76
Water, Illum. & Power Serv.	79,873.89	70,290.94	9,582.95
Auditing Services	48,492.00	44,434.58	4,057.42
Maint. of Motor Vehicles	71,331.62	63,951.78	7,379.84
Representation	7,200.00	7,200.00	-
Taxes & Licenses	1,643,132.00	1,245,757.50	397,374.50
Bldgs. & Structures Outlay	-	48,010.00	(48,010.00)
Depreciation	692,275.39	713,131.71	(20,856.32)
Total Operating Expenses	P 6,984,820.26	P 4,410,565.03	P 2,574,255.23
	6,984,820.26		
NET INCOME FROM OPERATIONS	P45,674,118.00	P37,199,516.94	P 8,474,601.06
	*****	*****	*****

補遺 10-4-2 PMUバタンガス貸借対照表

<u>A S S E T S</u>	<u>1984</u>	<u>1983</u>	<u>Increase (Decrease)</u>
<u>Current Assets</u>			
Cash on Hand and in Banks	¥ 1,119,777.66	¥ 340,138.63	¥ 779,639.03
Accounts Receivable	2,460,070.78	694,050.58	1,766,020.20
Other Current Assets	26,818.65	22,044.26	4,774.39
Total Current Assets	<u>¥ 3,606,667.09</u>	<u>¥ 1,056,233.47</u>	<u>¥ 2,550,433.62</u>
<u>Fixed Assets</u>			
Land & Land Improvements	¥ 1,427,680.00	1,427,680.00	-
Buildings & Structures	30,370,391.70	30,370,391.70	-
Furniture, Fixtures & Equipmt.	501,945.42	503,925.82	(1,980.40)
In-Transit	6,385.00	6,385.00	-
Total Fixed Assets	<u>¥ 32,306,402.12</u>	<u>¥ 32,308,382.52</u>	<u>¥ (1,980.40)</u>
Less: Accum. Depreciation	<u>5,312,679.41</u>	<u>6,120,404.02</u>	<u>¥ 692,275.39</u>
Total Fixed Assets	<u>¥ 25,493,722.71</u>	<u>¥ 26,187,978.50</u>	<u>(¥ 694,255.79)</u>
<u>Other Assets</u>			
Prepayments	¥ 520.42	¥ 539.68	(¥ 19.26)
Miscellaneous	1,738.45	1,738.45	-
Total Other Assets	<u>¥ 2,258.87</u>	<u>¥ 2,278.13</u>	<u>(¥ 19.26)</u>
TOTAL ASSETS	<u><u>¥ 29,102,648.67</u></u>	<u><u>¥ 27,246,490.10</u></u>	<u><u>¥ 1,856,158.57</u></u>
 <u>LIABILITIES & NET WORTH</u>			
<u>Current Liabilities</u>			
Accounts Payable	¥ 1,746,057.19	¥ 460,812.02	¥ 1,285,245.17
Other Current Liabilities	292,405.18	255,961.91	36,443.27
Total Current Liabilities	<u>¥ 2,038,462.37</u>	<u>¥ 716,773.93</u>	<u>¥ 1,321,688.44</u>
<u>Contingent Liabilities</u>			
Disallowed payment	65.45	65.45	-
Total Liabilities	<u>¥ 2,038,527.82</u>	<u>¥ 716,839.38</u>	<u>¥ 1,321,688.44</u>
 <u>NET WORTH</u>			
Invested Surplus	¥ 25,493,722.71	¥ 26,187,978.50	(¥ 694,255.79)
CO/PMU Clearing Accounts	1,570,398.14	341,672.22	1,228,725.92
Total Net worth	<u>¥ 27,064,120.85</u>	<u>¥ 26,529,650.72</u>	<u>¥ 534,470.13</u>
TOTAL LIABILITIES AND NET WORTH	<u><u>¥ 29,102,648.67</u></u>	<u><u>¥ 27,246,490.10</u></u>	<u><u>¥ 1,856,158.57</u></u>

補遺 10-4-3 PMUバタンガス港湾収入(1984)

	Base Port		Sub-Ports		Private Ports		(1,000 pesos) Total		
	Gross	Exempted	Net	Gross	Exempted	Net	Gross	Exempted	Net
<u>Charges Against Vessels</u>	583		583	1,314	1,314	10,358	12,255		12,255
(Foreign)									
Harbor Fee	66		66	181	181	4,212	4,459		4,459
Berthing Fee	38		38	482	482	2,707	3,227		3,227
Anchorage Fee	32		32	245	245	2,249	2,526		2,526
(Domestic)									
Usage Fee	446		446	404	404	1,189	2,039		2,039
Lay-Up Fee	1		1	2	2	1	4		4
<u>Charges Against Cargoes</u>	1,275		1,275	2,856	1,423	43,287	47,418	7,412	40,006
(Foreign)									
Wharfage Fee	102		102	1,423	59	41,916	43,441	7,312	36,129
Export	7		7	59	59	3,001	3,067	1,255	1,812
Import	95		95	1,364	0	38,915	40,374	6,057	34,317
Storage Fee									
Export									
Import									
(Domestic)									
Wharfage Fee	649		649	642	573	1,303	2,594	100	2,494
Inbound	510		510	344	341	531	1,385	24	1,361
Outbound	139		139	298	232	772	1,209	76	1,133
Storage Fee	1		1	16	16		17		17
Inbound	1		1	16	16		17		17
Outbound									
Arrastre/Stevedoring	523		523	775	775	68	1,366		1,366
<u>Other Income</u>	318		318	72	72	7	397		397
<u>Total Revenue</u>	2,176		2,176	4,242	2,809	53,652	60,070	7,412	52,658

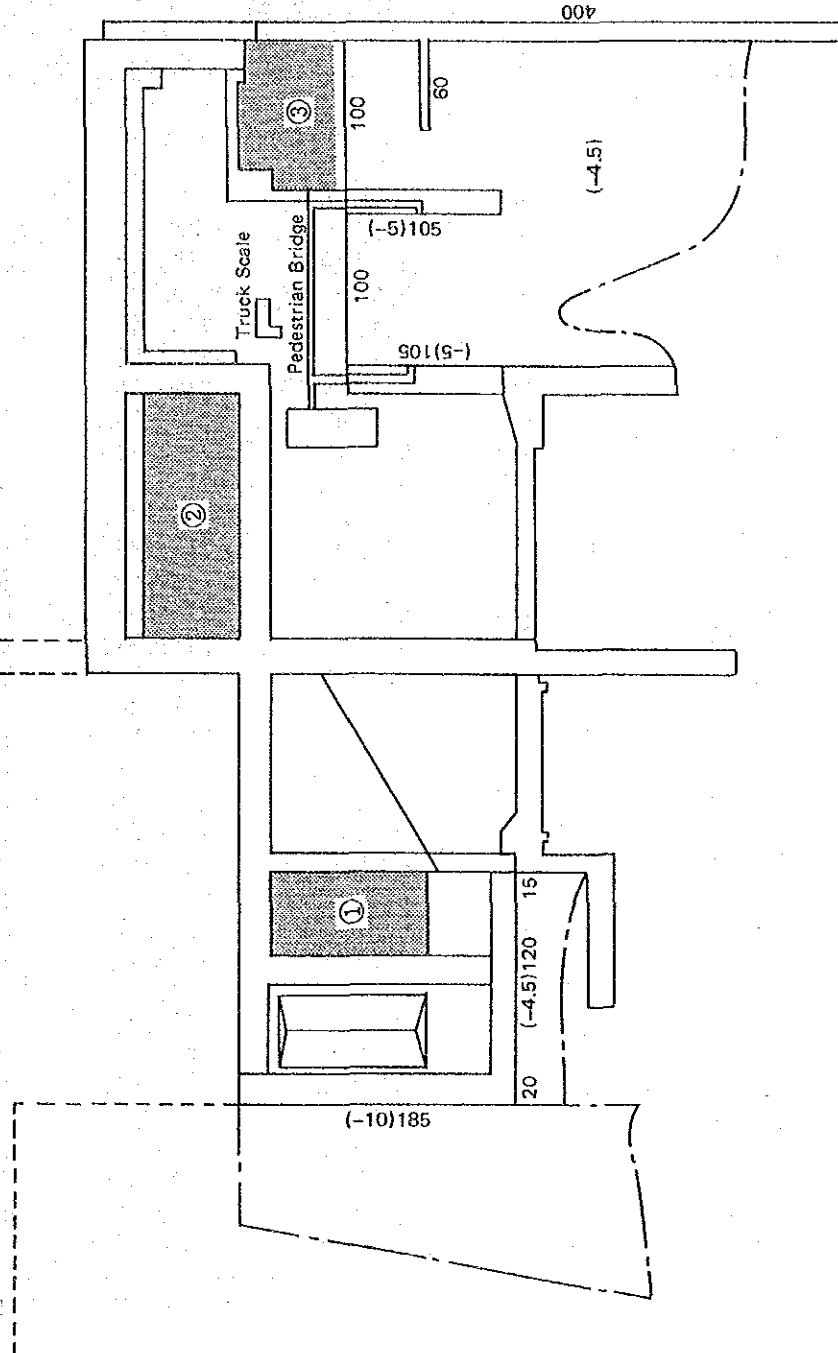
補遺 10-4-4 PMU バタンガス組織表

	Approved	Existing	PMU Base Port	Calapan	San Jose	Siaian	Balanacan	Sta. Cruz
Office of the Port Manager	(4)	(3)	(3)					
Port Manager	1	1	1					
Corporate Attorney A	1	0	0					
Secretary	1	1	1					
Driver A	1	1	1					
Port Safety & Security Section	(7)	(7)	(7)					
Port Security Chief A	1	1	1					
Security Guards B	6	6	6					
Administrative Service Section	(12)	(8)	(6)	(1)			(1)	
Administrative Officer B	1	1	1					
Clerk B	3	1	1					
Radio Operator B	1	1	1					
Driver A	1	1	1					
External Messenger	1	1	1					
Utilityman B	5	3	1	1			1	
Port Operations Section	(23)	(18)	(7)	(4)	(2)	(1)	(1)	(3)
Port Operations Officer I	1	0	0					
Asst. Port Operations Officer I	4	4	0	1	1	1		1
Harbor Master I	1	1	1					
Asst. Harbor Master I	1	0	0					
Terminal Operations Asst. I	8	6	3	1			1	1
Statistical Assistant	3	2	1	1				
Clerk B	5	5	2	1	1			1
Engineering & Maintenance Section	(12)	(6)	(6)					
Senior Engineer B	1	1	1					
Engineer A	1	1	1					
Construction Foreman B	1	0	0					
Draftman B	1	0	0					
Clerk B	1	0	0					
Electrician A	1	0	0					
Plumber A	1	0	0					
Carpenter A	1	1	1					
Utilityman B	4	3	3					
Finance Section	(12)	(10)	(8)		(1)	(1)		
Finance Officer A	1	1	1					
Cashier B,C	2	1	1					
Corporate Bookkeeper	1	1	1					
Accounting Clerk B	5	4	2		1	1		
Clerk B	3	3	3					
Commercial Development Section	(3)	(0)	(0)					
Commercial Development Officer A	1	0	0					
Statistical Assistant	1	0	0					
Clerk B	1	0	0					
Total of PMU	(73)	(52)	(37)	(5)	(3)	(2)	(2)	(3)

補遺 10-4-5 必要補充職員数の検討

	Supplementary Employees		Reason For Increase
	Persons	Needed	
Port Safety & Security Section	2	Security Guards	<ul style="list-style-type: none"> ◦ Setting up a new gate ◦ Construction of parking lot
Port Operations Section	4	Port Operations Officer (1) Asst. Harbor Master (1) Terminal Operations Asst. (1) Statistical Asst. (1)	<ul style="list-style-type: none"> ◦ Increase in cargo volume and number of vessel ◦ Construction of "New Ro/Ro Terminal" ◦ Improvement of port statistical records
Engineering & Maintenance Section	1	Electrician	<ul style="list-style-type: none"> ◦ Construction of lighting facilities
Commercial Development Section	3	Commercial Development Officer (1) Statistical Asst. (1) Clerk (1)	<ul style="list-style-type: none"> ◦ Promoting new facilities and service to port users ◦ Necessity of making marketing research

- ① 5,900 m²
- ② 10,200 m²
- ③ 6,500 m²



補遺10-4-6 池邊關動池邊用地

補遺 10-6-1 感度分析 (ペソ外貨交換レート -10%)

**** Batangas Port (Peso Exchange Rate 1\$=21P)
**** FRR(%) = 0.31

NO.	YEAR	COST	BENEFIT	BNFT. -COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	3926.00	0.00	-3926.00	3901.99	0.00	-3901.99
4	1987	3927.00	0.00	-3927.00	3891.04	0.00	-3891.04
5	1988	156157.00	0.00	-156157.00	154253.00	0.00	-154253.00
6	1989	110995.00	0.00	-110995.00	109306.00	0.00	-109306.00
7	1990	2245.00	7015.00	4770.00	2204.07	6887.11	4683.04
8	1991	2245.00	7407.00	5162.00	2197.32	7249.69	5052.37
9	1992	2245.00	7800.00	5555.00	2190.59	7610.97	5420.38
10	1993	2245.00	8210.00	5965.00	2183.89	7986.51	5802.62
11	1994	2245.00	8584.00	6339.00	2177.20	8324.76	6147.56
12	1995	2245.00	8977.00	6732.00	2170.53	8679.23	6508.70
13	1996	2245.00	8977.00	6732.00	2163.89	8652.66	6488.77
14	1997	2245.00	8977.00	6732.00	2157.26	8626.17	6468.90
15	1998	2245.00	8977.00	6732.00	2150.66	8599.75	6449.10
16	1999	2245.00	8977.00	6732.00	2144.07	8573.42	6429.35
17	2000	2245.00	8977.00	6732.00	2137.51	8547.17	6409.67
18	2001	2245.00	8977.00	6732.00	2130.96	8521.00	6390.04
19	2002	2245.00	8977.00	6732.00	2124.44	8494.91	6370.47
20	2003	2245.00	8977.00	6732.00	2117.93	8468.90	6350.97
21	2004	2245.00	8977.00	6732.00	2111.45	8442.97	6331.52
22	2005	2245.00	8977.00	6732.00	2104.98	8417.12	6312.14
23	2006	2245.00	8977.00	6732.00	2098.54	8391.35	6292.81
24	2007	2245.00	8977.00	6732.00	2092.11	8365.65	6273.54
25	2008	2245.00	8977.00	6732.00	2085.71	8340.04	6254.33
26	2009	2245.00	8977.00	6732.00	2079.32	8314.50	6235.18
27	2010	2245.00	8977.00	6732.00	2072.95	8289.04	6216.09
28	2011	2245.00	8977.00	6732.00	2066.61	8263.66	6197.06
29	2012	2245.00	8977.00	6732.00	2060.28	8238.36	6178.08
30	2013	2245.00	8977.00	6732.00	2053.97	8213.14	6159.17
31	2014	2245.00	8977.00	6732.00	2047.68	8187.99	6140.31
32	2015	2245.00	8977.00	6732.00	2041.41	8162.92	6121.51
33	2016	2245.00	8977.00	6732.00	2035.16	8137.93	6102.76
34	2017	2245.00	8977.00	6732.00	2028.93	8113.01	6084.08
35	2018	2245.00	8977.00	6732.00	2022.72	8088.17	6065.45
36	2019	2245.00	106249.00	104004.00	2016.52	95435.90	93419.40
TOTAL		342355.00	360713.00	18358.00	334621.00	334624.00	3.02

UNIT = 1000 Pesos

補遺 10-6-2 感度分析 (建設費 +10%)

***** Batangas Port(Cost +10%)

***** FRR(%) = 0.08

NO.	YEAR	COST	BENEFIT	BNFT. - COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	4069.00	0.00	-4069.00	4062.11	0.00	-4062.11
4	1987	4070.00	0.00	-4070.00	4059.66	0.00	-4059.66
5	1988	160093.00	0.00	-160093.00	159551.00	0.00	-159551.00
6	1989	116668.00	0.00	-116668.00	116175.00	0.00	-116175.00
7	1990	2311.00	6903.00	4592.00	2299.28	6867.99	4568.71
8	1991	2311.00	7291.00	4980.00	2297.33	7247.87	4950.54
9	1992	2311.00	7680.00	5369.00	2295.38	7628.10	5332.72
10	1993	2311.00	8067.00	5756.00	2293.44	8005.70	5712.26
11	1994	2311.00	8456.00	6145.00	2291.50	8384.63	6093.14
12	1995	2311.00	8844.00	6533.00	2289.55	8761.93	6472.37
13	1996	2311.00	8844.00	6533.00	2287.61	8754.51	6466.89
14	1997	2311.00	8844.00	6533.00	2285.68	8747.09	6461.41
15	1998	2311.00	8844.00	6533.00	2283.74	8739.68	6455.94
16	1999	2311.00	8844.00	6533.00	2281.81	8732.27	6450.47
17	2000	2311.00	8844.00	6533.00	2279.87	8724.88	6445.00
18	2001	2311.00	8844.00	6533.00	2277.94	8717.48	6439.54
19	2002	2311.00	8844.00	6533.00	2276.01	8710.10	6434.09
20	2003	2311.00	8844.00	6533.00	2274.08	8702.72	6428.64
21	2004	2311.00	8844.00	6533.00	2272.16	8695.35	6423.19
22	2005	2311.00	8844.00	6533.00	2270.23	8687.98	6417.75
23	2006	2311.00	8844.00	6533.00	2268.31	8680.62	6412.31
24	2007	2311.00	8844.00	6533.00	2266.39	8673.26	6406.88
25	2008	2311.00	8844.00	6533.00	2264.47	8665.92	6401.45
26	2009	2311.00	8844.00	6533.00	2262.55	8658.57	6396.03
27	2010	2311.00	8844.00	6533.00	2260.63	8651.24	6390.61
28	2011	2311.00	8844.00	6533.00	2258.71	8643.91	6385.19
29	2012	2311.00	8844.00	6533.00	2256.80	8636.59	6379.78
30	2013	2311.00	8844.00	6533.00	2254.89	8629.27	6374.38
31	2014	2311.00	8844.00	6533.00	2252.98	8621.96	6368.98
32	2015	2311.00	8844.00	6533.00	2251.07	8614.65	6363.58
33	2016	2311.00	8844.00	6533.00	2249.16	8607.35	6358.19
34	2017	2311.00	8844.00	6533.00	2247.26	8600.06	6352.80
35	2018	2311.00	8844.00	6533.00	2245.35	8592.78	6347.42
36	2019	2311.00	108780.00	106469.00	2243.45	105600.00	103357.00
TOTAL		354230.00	359433.00	5203.00	351985.00	351985.00	-0.27

UNIT = 1000 Pesos

補遺 10-6-3 感度分析 (貨物量 -10%)

***** Batangas Port(Cargo -10%)

***** FRR(%) = 0.05

NO.	YEAR	COST	BENEFIT	BNFT.-COST	P. COST	P. BNFT	P. VALUE
1	1984	0.00	0.00	0.00	0.00	0.00	0.00
2	1985	0.00	0.00	0.00	0.00	0.00	0.00
3	1986	3699.00	0.00	-3699.00	3695.05	0.00	-3695.05
4	1987	3700.00	0.00	-3700.00	3694.07	0.00	-3694.07
5	1988	145539.00	0.00	-145539.00	145228.00	0.00	-145228.00
6	1989	106062.00	0.00	-106062.00	105779.00	0.00	-105779.00
7	1990	2137.00	6269.00	4132.00	2130.16	6248.92	4118.77
8	1991	2137.00	6618.00	4481.00	2129.02	6593.28	4464.26
9	1992	2137.00	6968.00	4831.00	2127.88	6938.26	4810.38
10	1993	2137.00	7317.00	5180.00	2126.74	7281.88	5155.14
11	1994	2137.00	7667.00	5530.00	2125.61	7626.12	5500.52
12	1995	2137.00	8016.00	5879.00	2124.47	7969.00	5844.53
13	1996	2137.00	8016.00	5879.00	2123.33	7964.74	5841.41
14	1997	2137.00	8016.00	5879.00	2122.20	7960.48	5838.28
15	1998	2137.00	8016.00	5879.00	2121.07	7956.23	5835.16
16	1999	2137.00	8016.00	5879.00	2119.93	7951.97	5832.04
17	2000	2137.00	8016.00	5879.00	2118.80	7947.73	5828.93
18	2001	2137.00	8016.00	5879.00	2117.67	7943.48	5825.81
19	2002	2137.00	8016.00	5879.00	2116.53	7939.23	5822.70
20	2003	2137.00	8016.00	5879.00	2115.40	7934.99	5819.59
21	2004	2137.00	8016.00	5879.00	2114.27	7930.75	5816.48
22	2005	2137.00	8016.00	5879.00	2113.14	7926.51	5813.37
23	2006	2137.00	8016.00	5879.00	2112.01	7922.27	5810.26
24	2007	2137.00	8016.00	5879.00	2110.88	7918.04	5807.15
25	2008	2137.00	8016.00	5879.00	2109.76	7913.81	5804.05
26	2009	2137.00	8016.00	5879.00	2108.63	7909.58	5800.95
27	2010	2137.00	8016.00	5879.00	2107.50	7905.35	5797.85
28	2011	2137.00	8016.00	5879.00	2106.38	7901.12	5794.75
29	2012	2137.00	8016.00	5879.00	2105.25	7896.90	5791.65
30	2013	2137.00	8016.00	5879.00	2104.12	7892.68	5788.56
31	2014	2137.00	8016.00	5879.00	2103.00	7888.46	5785.46
32	2015	2137.00	8016.00	5879.00	2101.88	7884.25	5782.37
33	2016	2137.00	8016.00	5879.00	2100.75	7880.03	5779.28
34	2017	2137.00	8016.00	5879.00	2099.63	7875.82	5776.19
35	2018	2137.00	8016.00	5879.00	2098.51	7871.61	5773.10
36	2019	2137.00	98867.00	96730.00	2097.39	97034.30	94936.90
TOTAL		323110.00	326090.00	2980.00	321808.00	321808.00	-0.19

UNIT = 1000 Pesos

I. Assumptions:

- A. For 1985 — Projections revised per actual performance as of October 31, 1985.
- B. For 1986 — Projections per the Principal Special Budget for CY 1986.
- C. For 1987 ~ 1992
 - 1. Revenue
 - (a) Growth rate in cargo and vessel traffic of 6% per annum.
 - (b) Fund Management Income — yield of 15 % of the beginning cash balances.
 - (c) No Tariff rate Increase up to 1987.
 - (d) Starting 1988, tariff increase computed for amount necessary to bring DCR to 1.75 provided that increase would not exceed 30% per year.
 - 2. Personal Services — Full staffing in 1987; salary adjustment of 10% per annum; merit increase at 2.5% of basic pay; children's allowance at ¥30/child/month; uniform allowance of ¥500/employee/year.
 - 3. Repairs and Maintenance of Port Facilities — 2.5% of Asset Base in 1987, 2% of asset base starting 1988.
 - 4. Dredging Cost — 10% yearly increase.
 - 5. Taxes — contractor's tax of 4% on port revenue; no provision for realty and income tax.
 - 6. Depreciation charges — straight-line depreciation method; newly completed/acquired, assets are depreciated at 2.5% per annum.
 - 7. Other Administrative Costs —
 - 8. Debt Service —
 - (a) Principal Payment — based on scheduled due dates per loan agreement. Exchange rate used for principal payment computation is the current exchange rate at time of payment. Difference in exchange rate at the time of payment and at the time of avilment (at which rates the loans were booked) is charged under an expense account called Currency Exchange Adjustment.
 - (b) Interest Charges — based on outstanding balances of the loans and projected avilments of foreign-assisted projects and the interest rates stipulated in the loan contracts.
 - 9. Currency Exchange Rate used for US \$1.00 is ¥23.00 from 1987 to 1992.

10. Accounts Receivable (ending) is assumed at 8% of port revenue.
11. Accounts Payable (ending) is assumed at 15% of cash operating expenses.
12. Infrastructure Projects to be undertaken are the following:
 - (a) 3rd IBRD Project
 - (b) Port Cargo Handling
 - (c) Port of Irene
 - (d) International Container Terminal (ICT)
 - (e) Manila North Harbor Project
 - (f) 4th IBRD Project
 - (g) Manila South Rehabilitation
 - (h) Port of Davao
 - (i) Locally-funded Projects P20 M/year starting 1986
 - (j) Feasibility Studies – P20 M/year starting 1986
 - (k) Acquisition of Capital Assets – P10 M/year starting 1987

Philippine Ports Authority Projected Cash Flow Statements
CY 1985 ~ 1992

(in million pesos)

	1985	1986	1987	1988	1989	1990	1991	1992
Beginning Cash Balance	601.70	641.83	454.46	346.90	289.83	358.03	564.28	815.98
Cash-Internal Source								
Operating Revenue	599.83	691.44	732.93	956.73	1,142.16	1,210.69	1,283.33	1,360.33
Fund Management Inc.	109.26	49.60	68.17	52.03	43.47	53.70	84.64	122.40
Acct. Rec'ble-Beg.	49.34	46.69	54.93	58.63	76.54	91.37	96.86	102.67
Acct. Rec'ble-End.	-46.69	-54.93	-58.63	-76.54	-91.37	-96.86	-102.67	-108.83
Total	711.74	732.80	797.39	990.86	1,170.80	1,258.91	1,362.16	1,476.57
Cash-External Source								
Foreign Loan Avail.	533.34	356.22	338.79	428.49	431.71	278.30	255.07	255.07
Equity Contribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	533.34	356.22	338.79	428.49	431.71	278.30	255.07	255.07
Total Cash Available	1,846.78	1,730.85	1,590.64	1,766.25	1,892.34	1,895.24	2,181.51	2,547.62
Application of Cash								
Administrative Costs	141.14	185.86	231.53	264.91	310.40	345.78	386.47	451.83
Repairs & Main.	30.00	116.86	62.09	63.28	66.81	75.20	84.71	88.88
Dredging	30.00	80.00	88.00	96.80	106.48	117.13	128.84	141.72
Debt Serv.-Interest	142.99	169.10	180.29	184.48	202.49	204.71	202.27	197.85
Debt Serv.-Principal	119.31	162.78	176.78	185.07	198.38	187.71	191.54	212.20
Infra Projects	677.51	496.36	503.45	689.01	661.26	408.93	390.62	390.62
Acct. Payable-Beg.	215.33	151.33	85.90	84.29	91.42	102.93	111.42	120.34
Acct. Payable-End.	-151.33	-85.90	-84.29	-91.42	-102.93	-111.42	-120.34	-132.04
Total	1,204.95	1,276.39	1,243.75	1,476.42	1,534.32	1,330.96	1,365.53	1,471.41
Ending Cash Balance	641.83	454.46	346.90	289.83	358.03	564.28	815.98	1,076.20
O/C Ratio	1.94	1.08	1.17	1.58	1.75	1.85	2.00	1.95

Philippine Ports Authority Projected Income Statement
CY 1985 ~ 1992

(in million pesos)

	1985	1986	1987	1988	1989	1990	1991	1992
Operating Revenue								
Port Charges	450.81	533.48	565.49	599.42	826.00	1,011.27	1,071.95	1,136.26
A/S Income	115.61	122.55	129.90	137.69	145.95	154.71	163.99	173.83
Non-Traditional Income	33.41	35.41	37.54	39.79	42.18	44.71	47.39	50.24
Tariff Increase				179.83	128.03			
Total Port Revenue	599.83	691.44	732.93	956.73	1,142.16	1,210.69	1,283.33	1,360.33
Operating Expenses								
Personal Services	78.48	94.24	124.16	139.02	155.79	174.73	196.13	220.31
R & M	30.00	116.86	62.09	63.28	66.81	75.20	84.71	98.89
Other Admin. Costs	62.66	91.62	107.37	125.89	154.61	171.05	190.34	231.52
Dredging Costs	30.00	80.00	88.00	96.80	106.48	117.13	128.84	141.72
Depn-Operating Assets	80.89	86.55	124.51	125.64	139.98	153.96	171.91	173.01
Total Operating Exp.	282.03	469.27	506.13	550.63	623.68	692.07	771.94	855.45
Net Operating Revenue	317.80	222.17	226.80	406.10	518.49	518.63	511.40	504.88
Other Income/Charges								
Fund Mgt Income	110.00	50.00	68.17	52.03	43.47	53.70	84.64	122.40
Interest on Loans	-142.99	-169.10	-180.29	-184.40	-202.49	-204.71	-202.27	-197.85
Currency Exchange Adj.	-44.64	-32.00	-52.62	-56.30	-64.58	-61.95	-60.20	-62.03
Depn Non-Oprtg. Assets	-7.78	-7.78	-7.78	-7.78	-7.78	-7.78	-7.78	-7.78
Amort.-Vitas Project	-14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Income	218.19	63.29	54.28	209.57	287.11	297.89	325.79	359.62
Asset Base	1,710.93	1,716.46	2,483.41	3,164.05	3,340.61	3,760.05	4,235.64	4,444.16
Return on Assets (%)	18.57	12.94	9.13	12.83	15.52	13.79	12.07	11.36

Table 2 Asset Base

	1985	1986	1987	1988	1989	1990	1991	1992
Net Oprtg Asset, Beginning	1,751.37	1,670.48	1,762.44	3,204.37	3,123.73	3,557.48	3,962.61	4,508.66
Add: Adquisitions	0.00	178.51	1,566.45	45.00	573.73	559.09	717.96	44.00
Less: Depreciation Charges								
-- On Existing Assets	80.89	80.89	80.89	80.89	80.89	80.89	80.89	80.89
-- On New Assets @2.5%		5.66	43.62	44.75	59.09	73.07	91.02	92.12
NBV -- Oprtg Assets -- End	1,670.48	1,762.44	3,204.37	3,123.73	3,557.48	3,962.61	4,508.66	4,379.66
Asset Base	1,710.93	1,716.46	2,483.41	3,164.05	3,340.61	3,760.05	4,235.64	4,444.16
R & M = 2.5% of Asset Base '86 & '87:								
2% of Asset Base for 1988 ~ 1992		42.91	62.09	63.28	66.81	75.20	84.71	88.88
<i>Cost of Completed Assets:</i>								
Port Cargo Handling		158.51						
3rd IBRD Projects			1,546.45					
Port of Irene						308.09		
ICT					543.73			
Manila North Harbor Proj.						221.00		
4th IBRD Project							687.96	
Port of Davao				15.00				
Feasibility Studies								14.00
Capital Assets				10.00	10.00	10.00	10.00	10.00
Other Locally-Funded Proj.		20.00	20.00	20.00	20.00	20.00	20.00	20.00
Total		178.51	1,566.45	45.00	573.73	559.09	717.96	44.00

Table 3: Infrastructure Program

(in million pesos)

	1985	1986	1987	1988	1989	1990	1991	1992
3rd IBRD Projects	566.73	247.14	—	—	—	—	—	—
Port Cargo Handling	110.61	39.68	—	—	—	—	—	—
Port of Irene	—	22.42	23.95	142.07	142.07	—	—	—
ICT	—	155.62	217.07	130.01	—	—	—	—
Manila North Harbor Project	—	—	—	110.50	110.50	—	—	—
4th IBRD Project	—	—	171.93	171.93	171.93	172.17	—	—
Manila South Rehab.	—	—	51.00	102.50	204.76	204.76	358.62	358.62
Port of Davao Proj.	—	7.50	7.50	—	—	—	—	—
Feasibility Studies	—	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Acq. of Capital Assets	—	—	10.00	10.00	10.00	10.00	10.00	10.00
Locally-Funded Projs	—	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Total	677.34	494.36	503.45	689.01	661.26	408.93	390.62	390.52
Funding: P Equivalent of Loan	533.34	356.22	338.79	428.49	431.71	278.30	255.07	255.07
Peso Portion-Foreign Assisted	144.00	108.64	125.16	228.52	197.55	98.63	103.55	103.55
Locally-Funded Projects	—	29.50	39.50	32.00	32.00	32.00	32.00	32.00
Total	677.34	494.36	503.45	689.01	661.26	408.93	390.62	390.62

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