

# PETROLEUM FUND OF TIMOR-LESTE

## QUARTERLY REPORT

For the Quarter ended 31 March 2008

Presented to the Minister of Finance

by

**Banking & Payments Authority of Timor-Leste**

### INTRODUCTION

This report is produced in accordance with Article 13 of the Petroleum Fund Law which requires the central bank to report on the performance and activities of the Petroleum Fund of Timor-Leste, referred to in this report as the Fund unless the context suggests otherwise.

All monetary references in this report are to United States dollars as the official currency of Timor-Leste.

### EXECUTIVE SUMMARY

The Petroleum Fund was formed by the enactment of the Petroleum Fund law promulgated on 3 August 2005. The law gives the Banking & Payments Authority (BPA) of Timor-Leste the responsibility for the operational management of the Fund.

This report covers the period from 1 January to 31 March 2008.

During this period, the BPA continued to invest all funds received according to the investment mandate agreed with the Ministry of Planning and Finance in which a benchmark index of United States Treasury Securities with maturities up to five years is specified together with defined performance measures.

In the course of the quarter the capital of the Fund grew from \$2,086.16 million to \$2,629.96 million, including gross cash inflows to the fund was \$479.74 million comprising the **taxpayers contribution to the fund was \$221.73 million and the Royalty contribution to the fund was \$258.01 million**. The cash outflow was \$260 thousand for the management fees, while the net cash inflow was \$479.48 million. The portfolio return in the period was 2.99 percent or 299 basis points while the benchmark return for the quarter was 3.04 percent or 304 basis points. The excess return was 5 basis points below the benchmark within the mandated target  $\pm 25$  basis points.

Below table shows the returns by quarter, 6 months, one year, two years and the total since inception of the Fund.

**Historical Return**

	Quarter	6 months	1 year	2 years	Since Inception
Portfolio Return	2.9883%	5.5932%	9.0887%	14.7835%	15.5992%
Benchmark Return	3.0369%	5.6255%	9.1153%	14.7933%	15.6538%
Excess Return	-0.0472%	-0.0306%	-0.0244%	-0.0085%	-0.0472%

**1. PETROLEUM FUND MANAGEMENT MANDATE**

The Banking and Payments Authority has been appointed to undertake the operational management of the Fund in accordance with Article 11.3 of the Petroleum Fund Law which states that the Minister shall enter into an agreement with the Central Bank for the operational management of the Petroleum Fund and the Central Bank shall be responsible for the operational management of the Petroleum Fund.

The management agreement was negotiated and agreed between the Ministry of Planning and Finance and the Banking & Payments Authority, and signed on 12 October 2005.

This mandate set out in the Management Agreement has not changed since the previous report, and is as follows:

**QUALIFYING INSTRUMENTS**

The assets of the Fund shall be invested in the classes of instruments as described below. The indices indicated with each asset class shall be used to measure the performance of the Fund.

Debt instruments issued by the United States and other qualifying sovereign governments:

**Index: Merrill Lynch 0-5 year government bond index**

Short-term liquidity instruments maintained by the Fund limited to budgeted monthly appropriations from the Fund to the state budget account described in Article 13 based on cash projections supplied to the Central Bank by the Minister shall be excluded from the Fund for the purpose of benchmark comparison, but the Central Bank shall otherwise be accountable for the return on these instruments.

**MANDATE**

1. The nature of the mandate established by the Minister shall be to passively manage the Fund close to the benchmark, so that in normal circumstances the objective shall be to achieve a return within 25 basis

points of the benchmark.

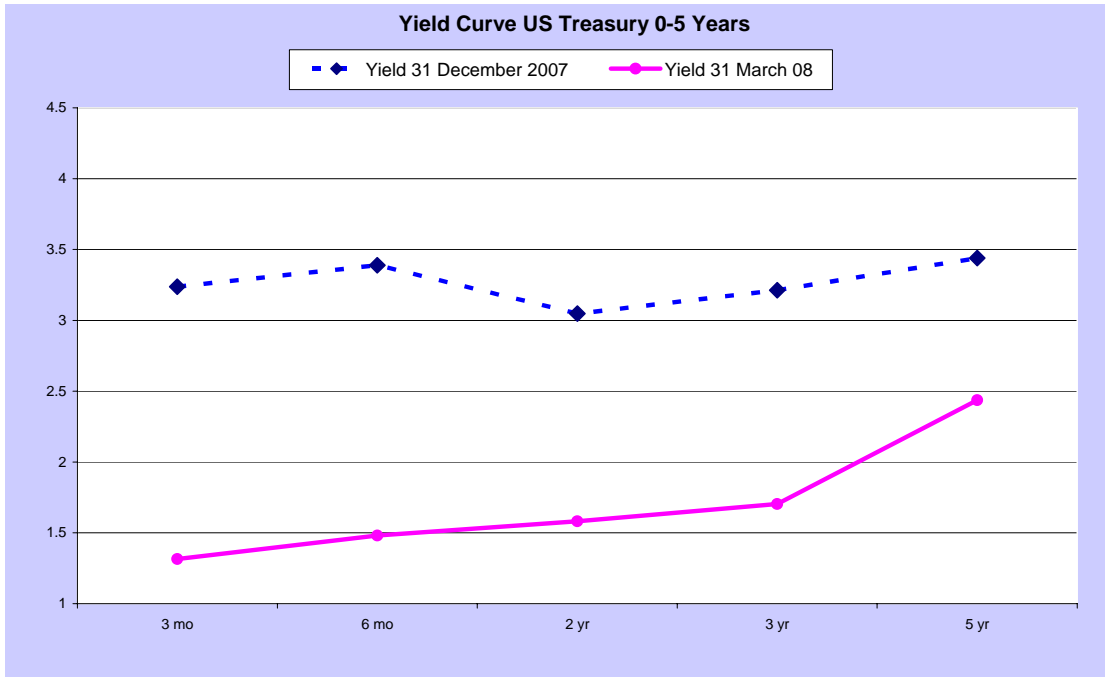
2. The difference in the modified duration between the portfolio and the benchmark shall be less than 0.2 years.

To enable the orderly acquisition of suitable investments, the parameters in this Annex 1 shall apply only from thirty (30) days after the date of entering into force of this Management Agreement.

All royalty payments and funds received from taxpayers, other than small amounts that do not collectively reach the minimum investment threshold set by the BPA, have been invested in the mandated benchmark from the day following receipt.

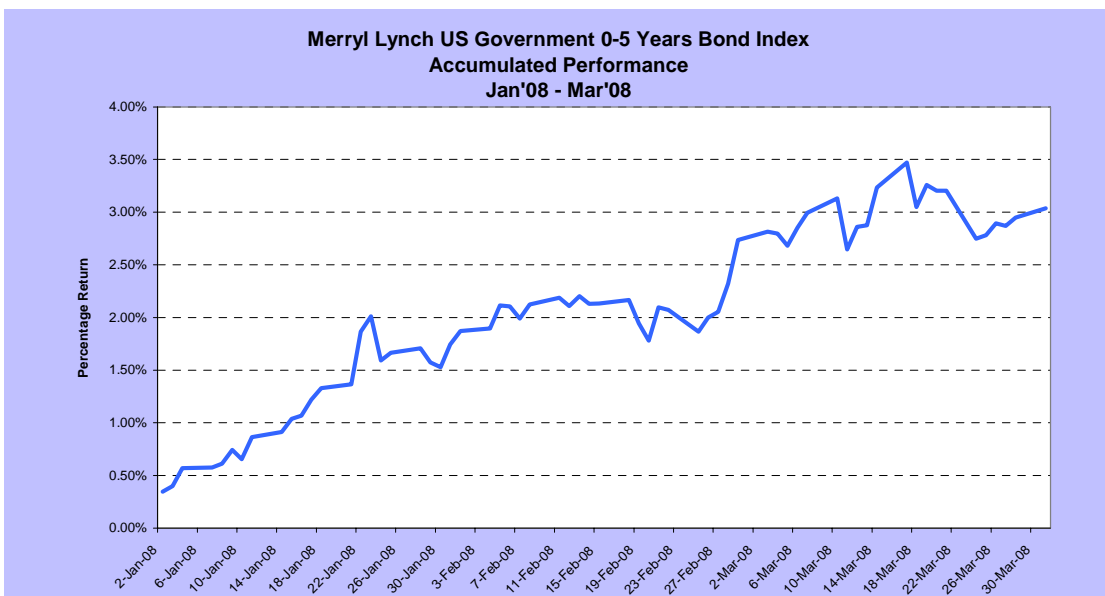
## **2. MARKET TRENDS DURING THE QUARTER**

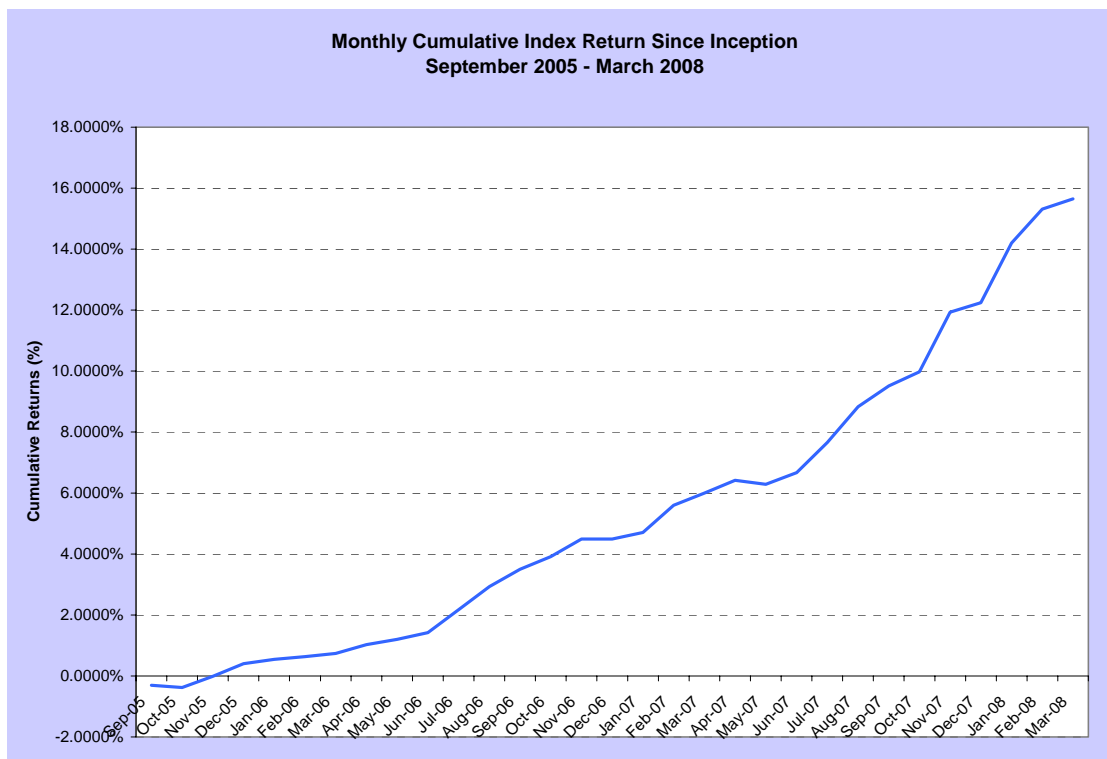
During the period from 31 December 2007 to 31 March 2008 US Treasury bond yields decreased significantly. At the short end 3 and 6 month US Treasury benchmark reference bills fell by 192 and 191 basis points respectively, while 2 and 3 year bond yields fell by 147 and 151 basis points respectively. The 5 year US Treasury benchmark reference notes fell 100 basis points compared to the previous quarter end. Bond prices and yields move opposite directions. The changes in the yields during the quarter have therefore resulted in higher prices for the securities held in the PF portfolio and a higher capital value of the bonds held in the investment portfolio. The graph below shows the 0-5 year US Government yield curve on 31 March 2008 compared with the previous quarter end 31 December 2007.



On January 22, January 30 and March 18, 2008 the U.S. Federal Reserve Bank lowered its key overnight lending rate (the US Federal Funds target rate) by 75 basis points, 50 basis points and 75 basis points respectively resulting in the current level target rate falling to 2.25%.

The following graphs show firstly, the daily performance of the Merrill Lynch US Government bond 0-5 year index during the quarter and secondly, the monthly cumulative performance of the Merrill Lynch US Government Bond 0-5 years index since inception of the Fund.





### 3. MANAGEMENT DURING THE QUARTER

#### *Objectives*

The BPA's objective in managing the Fund is to achieve a portfolio return close to the return of the agreed benchmark. Cash received by the Fund has been invested in the portfolio in a timely manner, normally within two working days. This policy is consistent with the passive investment mandate given to the BPA by the Ministry of Finance.

#### *Operational Implementation*

The mandate is operationalised by holding ten of the approximately 100 US Treasury Securities that form the defined benchmark index. The bonds are selected to best replicate the risk and return characteristics of the benchmark.

Daily financial reports on the performance of the Fund are produced for BPA management as part of the management process.

#### *Strategic Review*

During the quarter, the BPA continue undertaking a project to engage a global custodian with assistance from an international consultancy company.

The Executive Director of the Petroleum Fund Department of the BPA continue participating in a Working Group established by the Minister of Finance with the objective to review the optimal strategic asset allocation within the limit of the Petroleum Fund Law and to suggest appropriate changes in investment rules and qualifying instruments in the Petroleum Fund Act and correspondingly in the Management Agreement.

During the quarter, the BPA also engaged an international legal firm to advise the BPA on legal matters relating to the Petroleum Fund of Timor-Leste particularly contractual and legal matters in relation to Agreements with external counterparties and other issues as may arise.

### *External Managers*

Following the authorization of the Minister of Finance in previous quarter, during the quarter, the BPA continued the process of the contract negotiations with the World Bank and the Bank for International Settlements as non-commercial external managers.

### *Capacity Building*

Staff assigned to the related Petroleum Fund operational management continued to engage in capacity building, primarily in the form of on-the job training in various institutions including other Central Banks, and the long term capacity building programs.

## **4. PORTFOLIO PERFORMANCE**

The performance of the Fund relative to the benchmark is calculated and reported using the same basis as the benchmark.

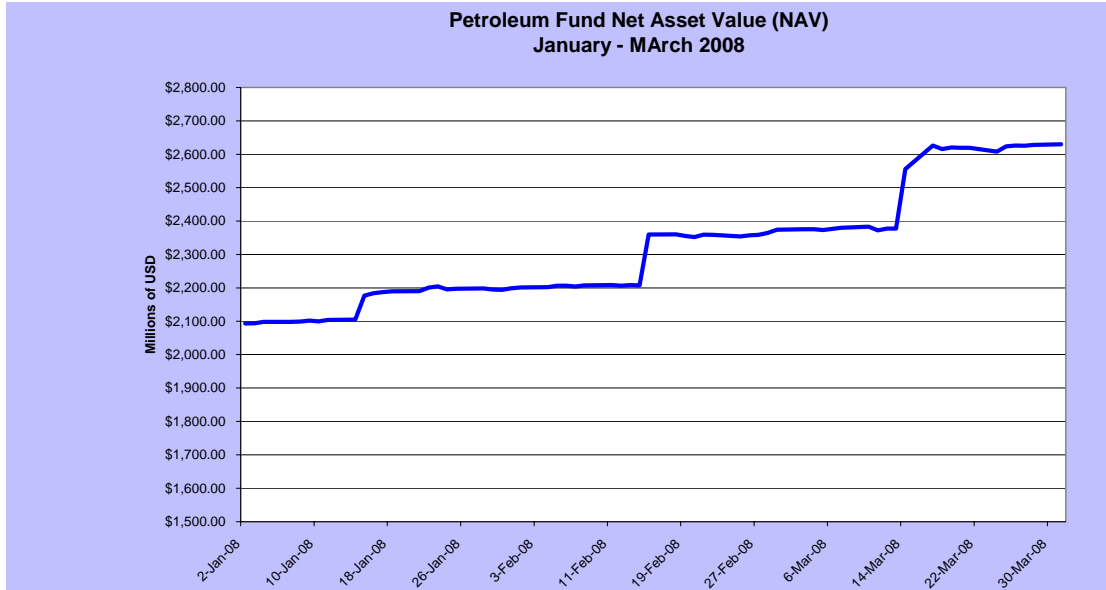
### *Absolute Return*

<b>In million US\$</b>	
<b>Absolute Return for Quarter Jan-Mar 08</b>	
Opening book value (31 December 07)	2,086.16
Receipts during the period	479.75
Transfer to General State Budget during the period	-
Management Fees	(0.26)
Absolute Return in the period	64.32
Closing book value (31 March 08)	\$2,629.96

The opening value of the Fund at the beginning of the quarter was \$2,086.16 million and the closing value as at 31 March 2008 was \$2,629.96 million. The petroleum revenue during the quarter was \$479.75 million consisting of the petroleum **tax payers** contribution to the fund of \$221.74 million and the **royalties** contribution to the fund of \$258.01 million. The dollar returns (gross of fees) was \$64.32 million during the quarter, of which the coupon and interest received was \$20.30 million and the change in the security valuation

was positive \$44.02 million. This represents a return to the Fund based on the time weighted rate of return of 2.99 percent, or 299 basis points for the quarter.

A graphical presentation of the growth in the NAV (Net Asset Value) of the Fund during the quarter is as follows:



The major movements in the value of the Fund took place as a result of the taxpayer receipts that are usually received around the middle of each month.

## 5. MANAGEMENT COSTS

The means by which the management costs of the Fund are to be recognised is determined in the Petroleum Fund law. Article 6.3 of the law states "From the amount received in accordance with Section 6.1, the Central Bank shall be entitled to deduct, by direct debit of the Petroleum Fund account, any reasonable management expenses, as provided for in the operational management agreement referred to in Section 11.3".

The management fee is intended to cover the actual expenses incurred by the BPA in managing the Fund. Considering the increasing costs of managing the Petroleum Fund, a management fee of US\$1,042,780.00 for the period of July 2007 to June 2008 has been agreed between the Ministry of Finance and the BPA. An amount of US\$260,690 management fee was deducted from the Fund during the period.

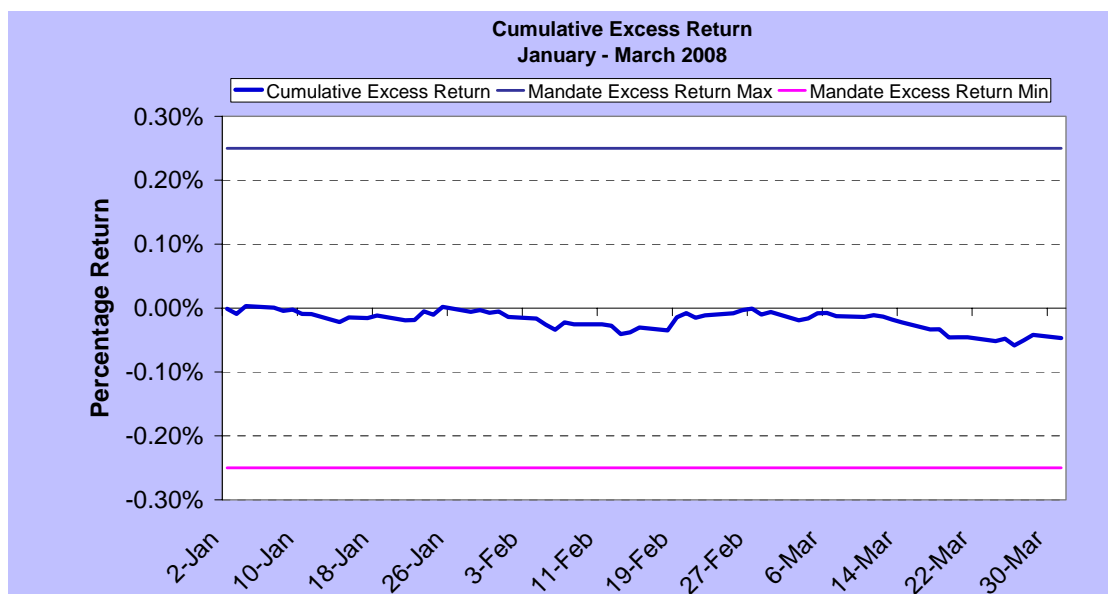
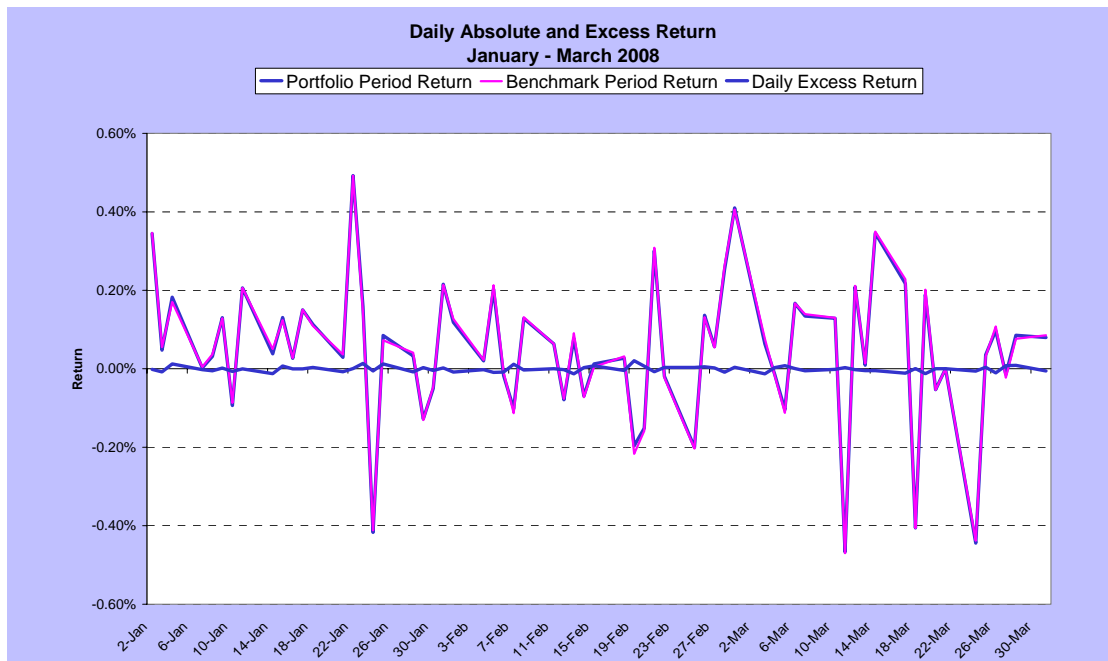
## 6. TRANSFERS FROM THE PETROLEUM FUND

According to Article 7.1 of the Petroleum Fund law transfers from the Fund may only be made to the credit of a single State Budget account. During the quarter, there was no transfer to General State Budget.

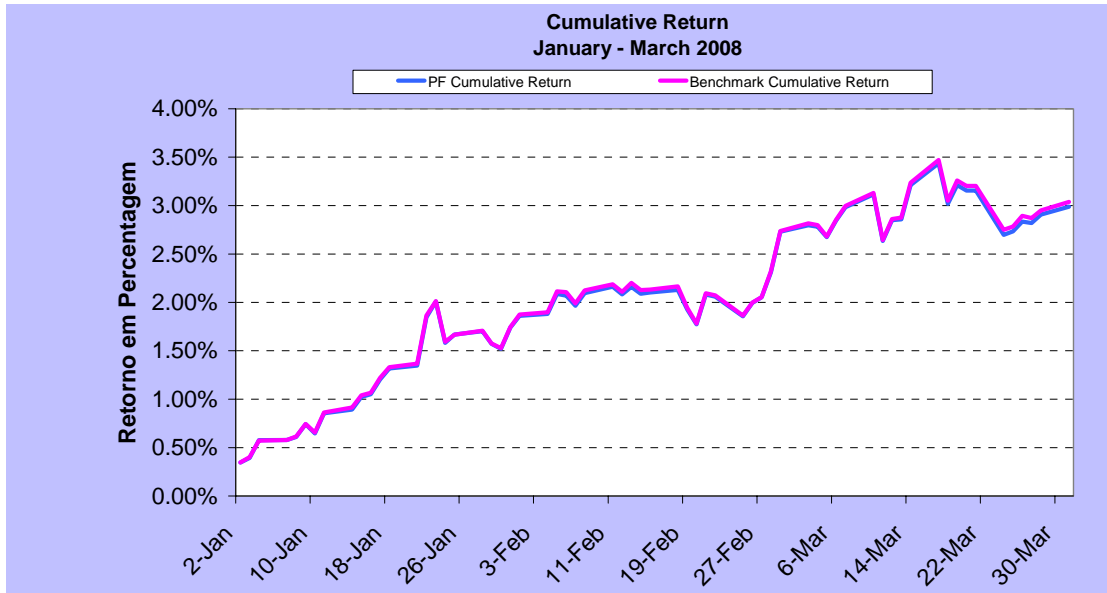
## 7. RISK EXPOSURE OF PORTFOLIO

### 7.1 Tracking Error

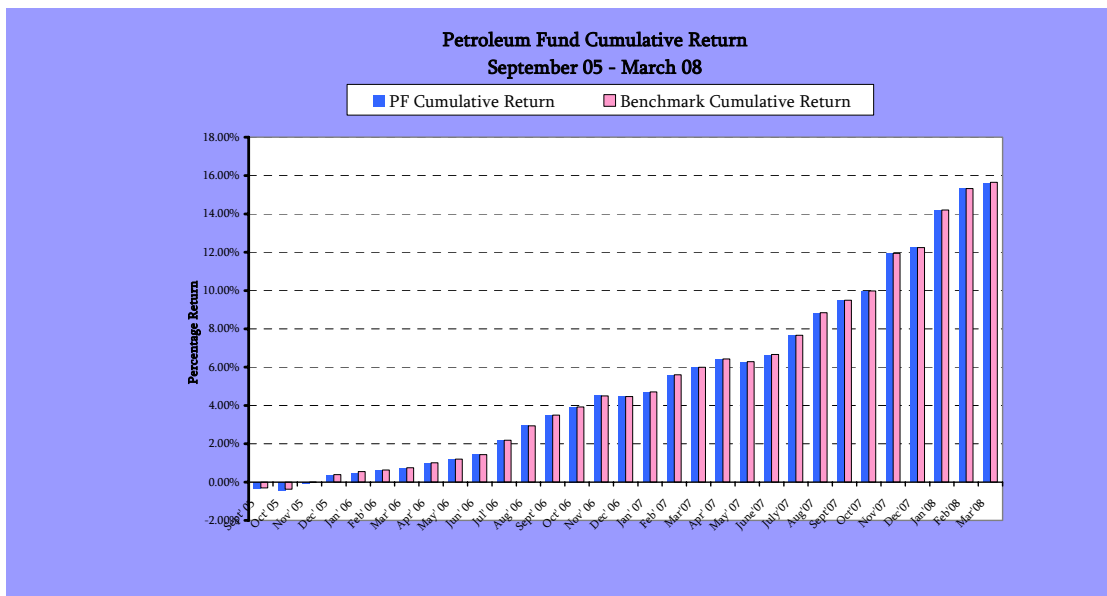
The following graphs illustrate the manner in which the Fund portfolio tracked the benchmark index. The line “Daily Excess Return” measures the difference between the return of the Fund’s portfolio and the benchmark. The cumulative excess return for the quarter was 5 basis points below the benchmark, within the  $\pm 25$  basis points in the investment mandate.







The cumulative performance of the Petroleum Fund compared with the cumulative performance of the benchmark over the same period is shown in the following graph.



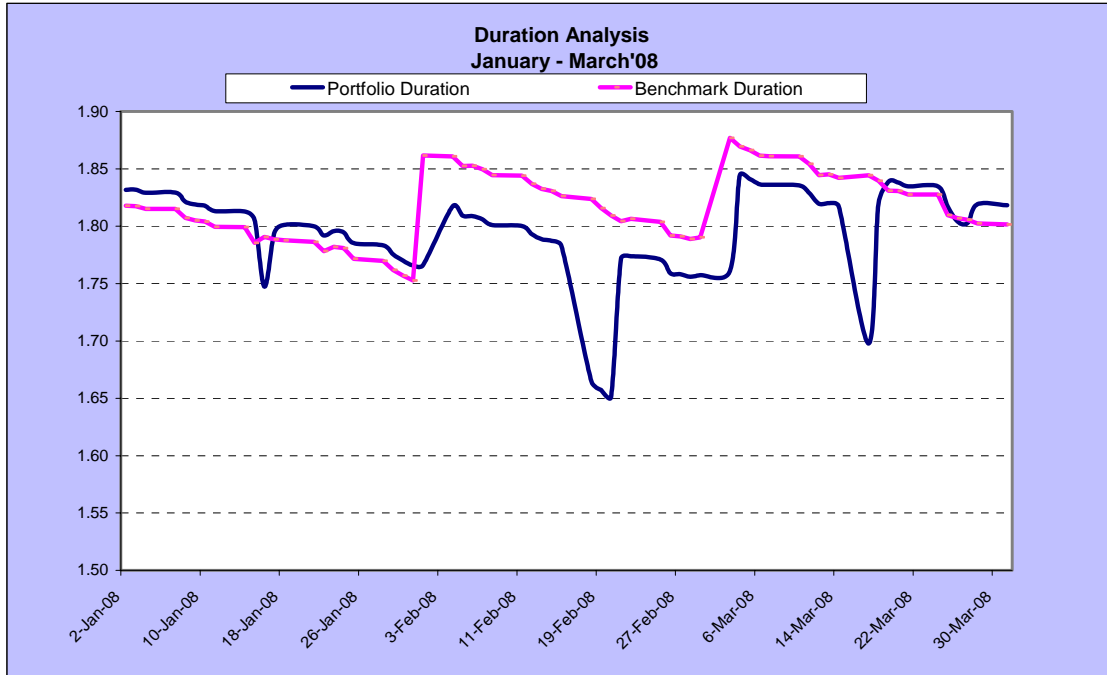
The graph indicates that the cumulative performance of the portfolio is almost identical to the cumulative performance of the benchmark with almost zero point tracking errors. A zero tracking error means that the Petroleum Fund portfolio is performing exactly the same as the benchmark performance over the period.

**Cumulative Performance Numbers Since Inception**

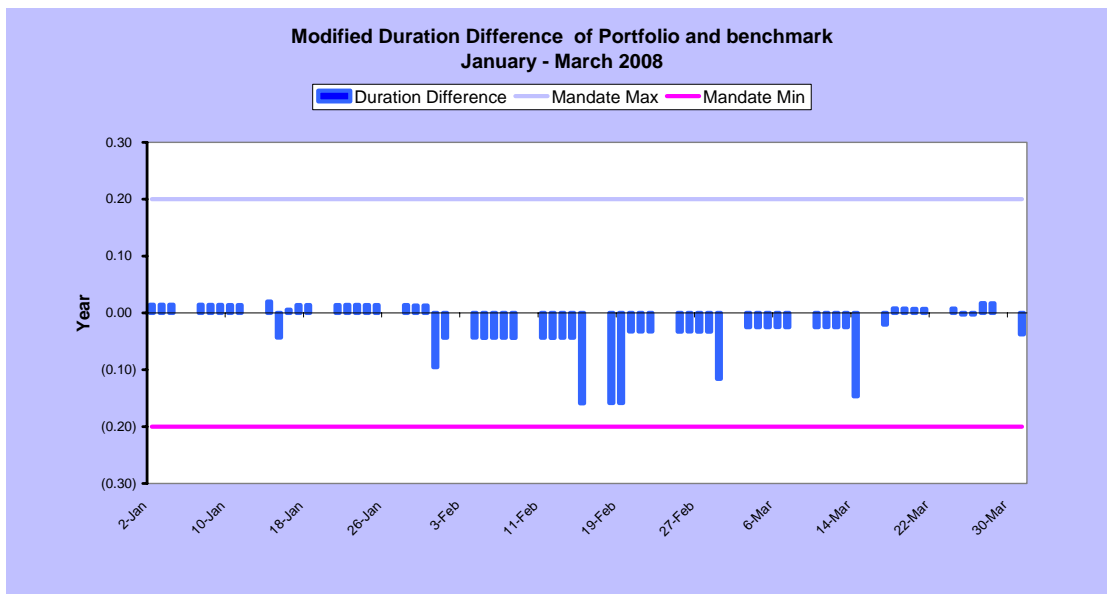
<b>Period</b>	<b>Cumulative Portfolio Return</b>	<b>Cumulative Benchmark Return</b>	<b>Cumulative Excess Return</b>
Aug' 05	0.0000%	0.0000%	0.0000%
Sept' 05	-0.3186%	-0.2994%	-0.0192%
Oct' 05	-0.4310%	-0.3694%	-0.0618%
Nov' 05	-0.0620%	-0.0119%	-0.0501%
Dec' 05	0.3431%	0.3973%	-0.0540%
Jan' 06	0.4914%	0.5476%	-0.0558%
Feb' 06	0.5990%	0.6356%	-0.0365%
Mar' 06	0.7107%	0.7496%	-0.0387%
Apr' 06	0.9912%	1.0086%	-0.0173%
May' 06	1.1933%	1.2055%	-0.0120%
Jun' 06	1.4298%	1.4283%	0.0015%
Jul' 06	2.1942%	2.1846%	0.0094%
Aug' 06	2.9434%	2.9358%	0.0074%
Sept' 06	3.4911%	3.4953%	-0.0040%
Oct' 06	3.9217%	3.9201%	0.0015%
Nov' 06	4.5252%	4.4951%	0.0288%
Dec' 06	4.4811%	4.4744%	0.0064%
Jan' 07	4.6912%	4.7127%	-0.0205%
Feb' 07	5.5844%	5.6037%	-0.0182%
Mar'07	5.9681%	5.9922%	-0.0227%
Apr' 07	6.4156%	6.4222%	-0.0062%
May' 07	6.2699%	6.2927%	-0.0215%
June'07	6.6206%	6.6605%	-0.0374%
July'07	7.6406%	7.6655%	-0.0232%
Aug'07	8.7909%	8.8363%	-0.0417%
Sept'07	9.4760%	9.4942%	-0.0166%
Oct'07	9.9439%	9.9812%	-0.0339%
Nov'07	11.9726%	11.9394%	0.0296%
Dec'07	12.2451%	12.2451%	0.0000%
Jan'08	14.1971%	14.2033%	-0.0054%
Feb'08	15.3099%	15.3171%	-0.0059%
Mar'08	15.5992%	15.6538%	-0.0468%

**7.2 Duration**

The mandate given by the Ministry of Finance to the BPA specifies that the Fund portfolio shall have a Modified Duration within 0.2 years of the benchmark index. The following graphs show, firstly, the modified durations of the portfolio and the index, and secondly, the difference between the portfolio and the index compared with the mandated maximum of  $\pm 0.2$  years.



The above graph shows the modified duration of the Petroleum Fund investment portfolio compared with the modified duration of the benchmark index.



The above graph shows the daily difference in modified duration between the investment portfolio and the benchmark. The Management Agreement states that the modified duration of the portfolio shall be managed within  $\pm 0.2$  years of the modified duration of the benchmark. The duration was within the mandate during the quarter.

### ***7.3. Credit Risk***

The Merrill Lynch index comprises Treasury Securities issued by the United States Government, which is rated AAA.

All investments by the Petroleum Fund were also in US Treasury Securities with the highest credit rating (AAA).

Cash received by the Petroleum Fund pending investment is invested at overnight money market interest rates in an overnight repurchase pool operated by the Federal Reserve Bank of New York.

## **8. COMPLIANCE STATEMENT**

The BPA has undertaken the operational management of the Petroleum Fund within the terms of the mandate set out in the Management Agreement.

### ***Qualifying Instruments***

The Fund was invested in the qualifying instruments within the investment universe specified in the mandate at all times during the quarter. At no time was the Fund invested in instruments other than those disclosed in this report.

### ***Return on the Portfolio***

The performance on the portfolio for the quarter was 299 basis points compared with the benchmark performance of 304 basis points. The difference of 5 basis points below the benchmark is within the mandated target of  $\pm 25$  basis points.

### ***Modified Duration of the Portfolio***

The modified duration of the Fund's investment portfolio and the mandated index are measured by the BPA daily. The modified duration of the Petroleum Fund portfolio was within the mandate during the quarter.

### ***Internal Audit***

In accordance with the provisions of Article 22 of the Petroleum Fund law number 9/2005 that requires BPA's Internal Auditor to perform an audit of the Fund every six months. The Internal Auditor has performed an audit on the Fund to 31 December 2007.

### ***Accounting Principle***

In accordance with the provision of Article 21 of the Petroleum Fund Law, the accounts and records of the Petroleum Fund shall be presented by using the International Accounting Standard (IAS). The financial year-end of the Fund has been changed from 30 June to 31 December following the decision to change the fiscal year.

## 9. SUMMARY FINANCIAL INFORMATION

The following financial information is presented for the purpose of assisting the Minister to review the quarterly performance of the Petroleum Fund as set out in this report. The figures have not been audited.

### *Balance Sheet*

	in thousands \$		
NET ASSETS	Mar-08	Dec-07	Mar-07
Cash and Cash Equivalents	565	647	1,240
US Treasury Notes (Market Value)	2,592,399	2,074,777	1,199,804
Accrued Interest	36,999	10,733	16,935
Less: Pending Purchases of Securities	-	-	-
<b>TOTAL</b>	<b>2,629,963</b>	<b>2,086,157</b>	<b>1,217,979</b>
CAPITAL			
Opening Balance as at 1 January 2008	2,086,157	1,394,223	649,848
PF Law Art. 6.1(a) Revenue Receipts	221,736	184,441	404,906
PF Law Art. 6.1(b) DA Receipts	258,010	455,650	242,980
PF Law Art. 7.1 Transfer to General State Budget	-	(40,000)	(120,000)
Net Income	64,060	91,844	40,244
<b>TOTAL</b>	<b>2,629,963</b>	<b>2,086,157</b>	<b>1,217,979</b>

### *Profit and Loss Statement*

	in thousands \$			
INCOME	Quarter		Year to Date (YTD)	
	Mar-08	Mar-07	Mar-08	Mar-07
Money Market Interest	150	148	150	303
Treasury Note Coupons	20,146	10,326	20,146	25,715
<b>Income</b>	<b>20,295</b>	<b>10,474</b>	<b>20,295</b>	<b>26,017</b>
Market Revaluations	44,025	5,968	44,025	14,594
Less: Management Fees	(261)	(367)	(261)	(367)
<b>Net Result for the Period</b>	<b>64,060</b>	<b>16,075</b>	<b>64,060</b>	<b>40,244</b>

### *Notes:*

*The accounting policies and method of computation used to prepare the above figures are the same as disclosed in the most recent annual financial statements of the Petroleum Fund. The year to date figures in 2007 and 2008 are based on the 30 June balance date and 31 December balance date respectively.*

Dili, 11 April 2008

**Venâncio Alves Maria**  
Executive Director

**Abraão de Vasconcelos**  
General Manager