

# Petroleum Fund of Timor-Leste

31 MARCH 2011

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## 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.

While every effort has been made to ensure accuracy, the information is based on management reports and has not been independently audited or reviewed and is subject to change, in which case the changes will be incorporated into subsequent reports.

## 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 2011.

Key statistics for the quarter include:

The capital of the Fund grew from US\$ 6,903.99 million to US\$ 7, 745.25 million.

- Gross cash inflows to the fund from royalties, taxes and other receipt were US\$ 819.23 million.
- Cash outflows were US\$ 0.79 million for direct external and internal management costs.
- Net cash inflows during the period were US\$ 818.44 million.
- The portfolio return in the period was 0.31% compared with the benchmark return for the quarter of 0.35%.

The total Fund's returns by quarter, one year, FYTD, three years and since inception of the Fund up to 31 March 2011 as follows:

Currency \$USD	(%)				
	QTR	FYTD	1 Year	3 Years	Since Inc
<b>Total Fund</b>	0.31	0.31	3.29	2.87	4.18
Benchmark	0.35	0.35	3.31	2.92	4.22
<i>Excess</i>	<i>-0.04</i>	<i>-0.04</i>	<i>-0.02</i>	<i>-0.05</i>	<i>-0.04</i>

## 1. PETROLEUM FUND MANAGEMENT MANDATE

An updated revised management agreement including a new investment mandate between the Ministry of Finance and the Banking & Payments Authority was signed on 25 June 2009 and its annex 1 was further updated on 8 October 2010. The complete investment mandate was published in the updated management agreement and the updated Annex I of the management agreement and the benchmarks may be summarized as follows:

<b>Global Benchmark</b>	
<i>US Government Bonds</i>	88.40%
<i>USD Foreign Government Supranationals</i>	4.00%
<i>Others Government Bonds (AUS, EU, UK, JP)</i>	3.60%
<i>Global Equity Mandate</i>	4.00%
<b>Subsidiary Benchmarks</b>	
<b><i>BPA Internal Management (80% of global portfolio)</i></b>	
US Government 0-5 years	100.0%
<b><i>Bank for International Settlements (20% of global portfolio)</i></b>	
US Government 0-5 years	52.0%
US Government 5-10 years	10.0%
Governments/Supranationals USD AAA	13.0%
Governments/Supranationals USD AA	7.0%
Australian Government	7.0%
Euro Governments	7.0%
United Kingdom Gilts	2.0%
Japan Government	2.0%
<b>Schroder Investment Management Limited (3-5% of the Fund)</b>	
Global Equities listed in developed market exchange-MSCI World Index Net Dividend Reinvested	100%

## 2. MARKET TRENDS DURING THE QUARTER

### Global Market

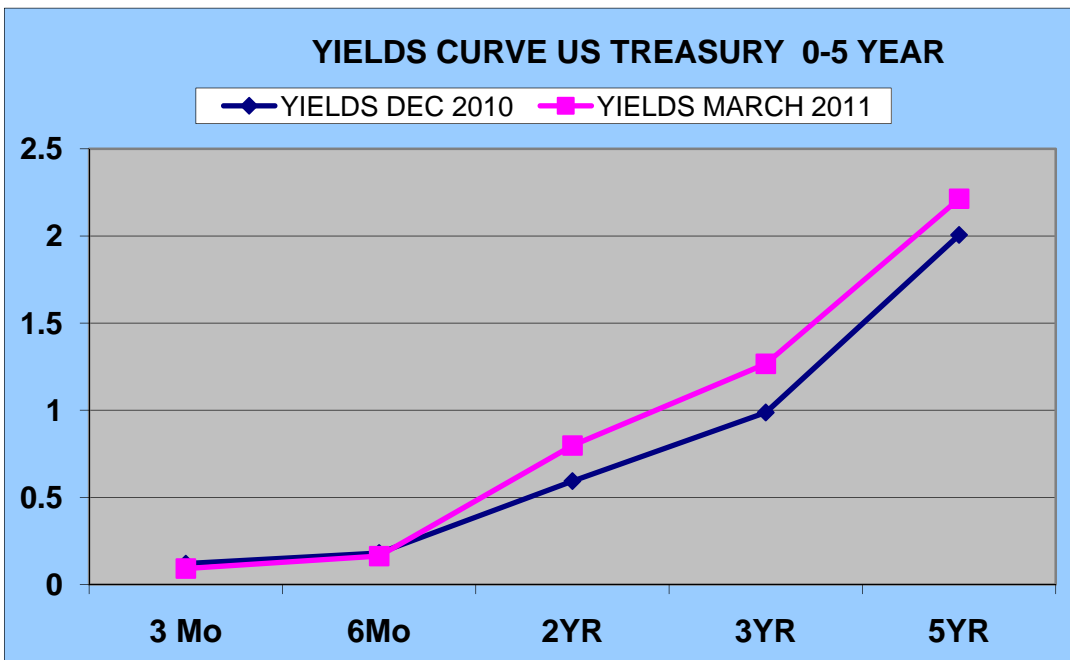
Global markets were weighed down by an heavy Earthquake and Tsunami in Japan, The concern is continuing as a result of escalating tension in North Africa. Reversal in equity markets and other risk assets are also caused by the geopolitical event . Most market, however, recovered quickly from these events showing strength in the underlining economic fundamental.

### US Treasury Market

During the period from 31 December 2010 to 31 March 2011 US Treasury bonds 0 to 5 years yields increased significantly. At the short end 3 months US Treasury benchmark reference bills decreased by 1 basis points and 6 months US Treasury benchmark reference bills decreased by 2 basis points, while 2 year bond yields increased by 20 basis points. The 3 and 5 year US Treasury benchmark reference notes increased by 28 and 21 basis points respectively compared to the previous quarter end. Bond prices and yields move in opposite directions.

The graph below shows the 0-5 year US Government yield curve on March 2011 compared to the previous quarter end 31 December 2010.

*US Treasury bond yields increased significantly. The 3 and 6 month US Treasury benchmark reference bills decreased by 1 and 2 basis points, 2 years yields increased by 20 basis points. The 3 and 5 years yield increased by 28 and 21 basis points respectively.*



There has been no change to the U.S. Federal Reserve Bank’s key overnight lending rate (the US Federal Funds target rate), with the current level target range remaining at 0 – 0.25% as of March 2011.

## 3. MANAGEMENT DURING THE QUARTER

### Objectives

For the Internal Mandate, the BPA’s objective in managing the portfolio is to achieve a portfolio return close to the return of the agreed benchmark; while the BIS’s portfolio will be managed in an active manner and the objective is the expected outperformance of

the portfolio gross of management fees is 25 basis points over the Benchmark performance, on an annual basis over a rolling three year period, while maintaining the ex ante tracking error within 100 basis points.

The objective of Schroders mandate is to manage the portfolio in an enhanced passive indexing style and maintained within a tracking error relative to the benchmark that does not normally exceed 100 basis points, and with load differences maintained within 0.5% (security level) and 2.5% (country and sector levels). At no time shall the ex-ante tracking error exceed 150 basis points.

For the BPA's internal mandate, 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.

For the BIS portfolio, cash received by the BIS has been invested in the portfolio within the instruments allowed in the composite benchmark as described in the updated management agreement summarized in Subsidiary Benchmark section in page 2 of this report.

For Schroders mandate, cash received invested in equities listed on developed market exchange (i.e. in countries belonging to developed markets as defined by the MSCI market classification framework).

### *Operational Implementation*

The BPA internal mandate is operationalised by holding ten of the approximately 128 US Treasury Securities that form the defined benchmark index. The bonds are selected to best replicate the risk and return characteristics of the benchmark.

The BIS mandate is operationalised by holding bonds issued by supranational organisations and sovereign states, including the United States, European Union, Australia, Japan, United Kingdom.

Schroders mandate operationalized by holding equities in equities listed on developed market exchange.

Regular financial reports on the performance of the Fund under BPA management are produced for BPA management and regular position reports for the total Fund including the BIS and Schroders mandates are produced by the Fund's custodian as part of the management process.

### *External Managers*

Following the appointment of Schroders, the fund currently have 2 external managers namely Bank for International Settlements (BIS) managing 20% of the total portfolio and Schroder Investment Management Limited (Schroders) managing 4% of the total portfolio.

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*The objective of the internal mandate is to achieve the portfolio return close to the benchmark within +/- 25 bps while the objective of BIS mandate is the expected outperformance of the portfolio gross of management fees is 25 basis points over a rolling 3 yrs period.*

*The objective of Schroder mandate is to manage the portfolio in an enhanced passive indexing style and maintained within a tracking error relative to the benchmark that does not normally exceed 100 basis points.*

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## 4. PORTFOLIO PERFORMANCE

This section contains a number of tables and charts describing the performance of the Petroleum Fund.

The following notes are intended to assist in interpreting this information:

- The percentage figures show the return of the Fund, or a part of it, and compare the result with a benchmark. The benchmark represents the investment strategy established by the Minister and is used to set a goal against which the performance of the actual investments is measured. The Minister's benchmarks for the Petroleum Fund mandates are described earlier in this report.
- The excess is the difference (even if negative) between the benchmark and the portfolio being measured. In general a portfolio and its benchmark will respond in a similar manner to movements in the financial markets. The excess occurs because the benchmark does not recognise transaction costs, and because the actual portfolio usually contains a different mix of financial instruments to the benchmark.

## GLOBAL PORTFOLIO

In the course of the quarter the Petroleum Fund increased from \$6,903.99 million to \$ 7,745.25 million as follows:

Capital Account, Quarter January - March 2011	Amount
<b>Opening book value (1 January 2011)</b>	<b>6,903.99</b>
Receipts during the period	819.23
Transfer to General State Budget during the period	-
Management Fees	(0.79)
Return in the period	22.82
<b>Closing book value (31 March 2011)</b>	<b>7,745.25</b>

The balance was invested in the following financial assets:

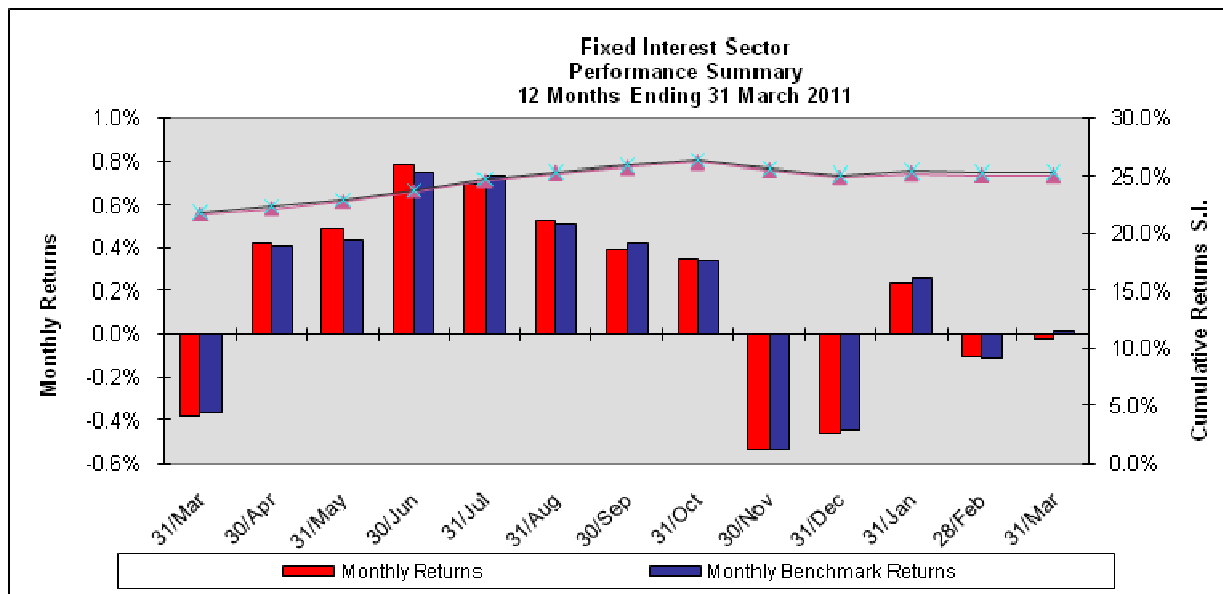
Assets	In Thousand (\$)
Cash and Cash Equivalent	9,405
Marketable Deb Securities	7,349,858
Global Equities	295,869
Receivables and other Assets	39,198
Less; Pending Purchase of Securities	(1,826)
<b>Total</b>	<b>7,745,246</b>

The Net Income for the quarter comprised the following:

INCOME	In thousand (\$)
Investment Income	57,298
<b>Income</b>	<b>57,298</b>
Market Revaluations	(34,481)
Less: Management Fees	(796)
<b>Net Result for the Period</b>	<b>22,021</b>

The performance of the Fund for the quarter, including the performance of the relative asset classes, was as follows:

Currency \$USD	QTR					Since Inc
	QTR	FYTD	1 Year	3 Years	(%)	
<b>Total Fund</b>	0.31	0.31	3.29	2.87	4.18	
Benchmark	0.35	0.35	3.31	2.92	4.22	
<i>Excess</i>	<i>-0.04</i>	<i>-0.04</i>	<i>-0.02</i>	<i>-0.05</i>	<i>-0.04</i>	
<b>International Fixed Interest</b>	0.11	0.11	2.79	2.71	4.09	
Benchmark	0.16	0.16	2.81	2.76	4.13	
<i>Excess</i>	<i>-0.05</i>	<i>-0.05</i>	<i>-0.03</i>	<i>-0.05</i>	<i>-0.04</i>	
<b>International Equity</b>	5.22	5.22	n.a	n.a	12.02	
Benchmark	4.80	4.80	n.a	n.a	11.26	
<i>Excess</i>	<i>0.42</i>	<i>0.42</i>	<i>n.a</i>	<i>n.a</i>	<i>0.76</i>	



The cumulative performance of the Petroleum Fund compared with the performance of the Global Benchmark over the same period is shown in the above graph.

**FIXED INTEREST**

The performance of the investments in Fixed Interest investments for the quarter, including the performance of the managers responsible for those investments, was as follows:

Currency \$USD	(%)				
	QTR	FYTD	1 Year	3 Years	Since Inc
<b>International Fixed Interest</b>	0.11	0.11	2.79	2.71	4.09
Benchmark	0.16	0.16	2.81	2.76	4.13
<i>Excess</i>	<i>-0.05</i>	<i>-0.05</i>	<i>-0.03</i>	<i>-0.05</i>	<i>-0.04</i>
<b>BPA Internal Mandate</b>	-0.01	-0.01	2.31	2.40	3.92
Benchmark	0.04	0.04	2.31	2.46	3.97
<i>Excess</i>	<i>-0.05</i>	<i>-0.05</i>	<i>0.00</i>	<i>-0.07</i>	<i>-0.05</i>
<b>Bank for International Settlement</b>	0.56	0.56	4.74	n.a	4.62
Benchmark	0.62	0.62	4.84	n.a	4.68
<i>Excess</i>	<i>-0.07</i>	<i>-0.07</i>	<i>-0.09</i>	<i>n.a</i>	<i>-0.06</i>

**INTERNATIONAL EQUITIES**

The performance of the investments in global equities for the quarter, including the performance of the managers responsible for those investments, was as follows:

Currency \$USD	(%)				
	QTR	FYTD	1 Year	3 Years	Since Inc
<b>International Equities</b>	5.22	5.22	n.a	n.a	12.02
Benchmark	4.80	4.80	n.a	n.a	11.26
<i>Excess</i>	<i>0.42</i>	<i>0.42</i>	<i>n.a</i>	<i>n.a</i>	<i>0.76</i>
<b>Schroder Investment Management</b>	5.22	5.22	n.a	n.a	12.02
Benchmark	4.80	4.80	n.a	n.a	11.26
<i>Excess</i>	<i>0.42</i>	<i>0.42</i>	<i>n.a</i>	<i>n.a</i>	<i>0.76</i>

**5. MANAGEMENT COSTS**

A management fee of 795,885 for operational management costs was deducted from the fund during the quarter to cover the direct external expenses and internal operational expenses.

The fee covered the following services:

External management and Custody expenses	\$ 267,885
BPA Internal management expenses	\$ 528,000
<b>Total</b>	<b>\$ 795,885</b>

## 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 has been no transfer from the Fund to the State Budget.

A summary of transfers to the State Budget Account is as follows:

Transfers - January 2011	\$ 0
Transfers - February 2011	\$ 0
Transfers - March 2011	\$ 0
<b>Total transfer for this quarter</b>	<b>\$ 0</b>
Transfers for previous quarters	<u>N/A</u>
<b>Total Transfers for this Fiscal Year to March 2011</b>	<b>\$ 0</b>

## 7. RISK EXPOSURE OF PORTFOLIO

### 7.1 Tracking Error

The tracking error illustrates the manner in which the Fund portfolio tracked the benchmark index. The "Excess Return" measures the difference between the return of the Fund's portfolio and the benchmark. The excess return for the Fund's global portfolio is -0.04% (or -4 basis points) while the excess return of the BPA internal mandate the BIS mandate and Schroder mandate were -0.05 % (or -5 basis point), -0.07% (or -7 basis points) and 0.42% ( or 42 basis points) respectively.

### 7.2 Duration

The modified duration of the BPA internal portfolio shall be managed within  $\pm 0.2$  years of the modified duration of the benchmark. The Modified duration of the BIS portfolio shall be less than six years. The duration was within the mandate during the quarter.

### 7.3. Credit Risk

The investments by the Petroleum Fund in US Treasury Securities with the highest credit rating (AAA) while the investments in other sovereign states and supranational fixed interest securities with the credit ratings of (NR-Not Rated to AAA) within the limit as provided in the BIS mandate. Investments in global equities are not rated. All investments reflected the new investment mandate as provided in the updated Management Agreement and the Annex I.

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 asserts the following statements relating to compliance with the mandates given by the Minister:

### *Qualifying Instruments*

The Fund was invested in instruments within the investment universe specified in the mandate at all times during the quarter.

### *Return*

The performance on the global portfolio for the quarter was 31 basis points compared with the benchmark performance of 35 basis points. .

### *Modified Duration*

The modified duration of the Fund's fixed interest investment portfolio remained within the mandate during the quarter.

### *Tracking Error*

The tracking error of the Fund's investment portfolio was within the mandate during the quarter.

### *Internal Manager*

The BPA portfolio complied with the mandate throughout the quarter.

### *External Managers*

The external managers investments was within the mandate during the quarter.

### *Internal Audit*

In accordance with the provisions of Article 22 of the Petroleum Fund law no. 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 30 December 2010.

## 9. 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 thousand \$

<b>NET ASSETS</b>	<b>Mar-11</b>	<b>Dec-10</b>	<b>Mar-10</b>
Cash and Cash Equivalent	9,405	7,143	6,187
Marketable Debt Securities	7,349,858	6,575,889	5,704,397
Equities at market value	295,869	281,770	-
Receivable and Other Assets	91,940	39,195	90,722
Less: Pending Purchase of Securities	(1,826)	-	(14,127)
<b>TOTAL</b>	<b>7,745,246</b>	<b>6,903,996</b>	<b>5,787,178</b>
<b>CAPITAL</b>			
Opening Balance	6,903,996	5,376,626	5,376,626
PF Law Art. 6.1 (a) Revenue Receipts	363,166	920,180	216,303
PF Law Art. 6.1 (b) DA Receipts	448,085	1,190,010	244,992
PF Law Art. 6.1 (e) Other Receipts	7,978	7,042	7,042
PF Law Art. 7.1 Transfer to General State Budget	-	(811,000)	(100,000)
Net Income	22,021	221,139	42,216
<b>TOTAL</b>	<b>7,745,246</b>	<b>6,903,996</b>	<b>5,787,178</b>

### Profit & Loss Statement

in thousand \$

<b>INCOME</b>	<b>Quarter</b>		<b>Year To Date (YTD)</b>	
	<b>Mar-11</b>	<b>Mar-10</b>	<b>Mar-11</b>	<b>Mar-10</b>
Investment Income	57,298	46,954	57,298	46,954
Income	<b>57,298</b>	<b>46,954</b>	<b>57,298</b>	<b>46,954</b>
Market Revaluations	(34,481)	(4,227)	(34,481)	(4,227)
Less: Management Fees	(796)	(512)	(796)	(512)
<b>Net Result for the Period</b>	<b>22,021</b>	<b>42,216</b>	<b>22,021</b>	<b>42,216</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.

Dili, 15 April 2011



**Venancio Alves Maria**

Executive Director of Petroleum Fund



**Abraão de Vasconcelos**

General Manager of BPA