30 September 2022

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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 and custodial reports and has not been independently audited 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 as amended on 28 September 2011. The law gives the Central Bank of Timor-Leste the responsibility for the operational management of the Fund.

This report covers the period from 01 July to 30 September 2022.

Key statistics for the quarter include:

- The capital of the Fund at the end of the Current quarter was \$16.913 billion while the previous quarter was \$17.845 billion.
- Gross cash inflows to the fund from royalties and taxes were 93.99 million.
- Outflow for the quarter were \$407.658 million, being transfers to the state budget of \$404 million while \$3.658 million was for management costs.
- The profit and loss for the quarter was -\$621.676 million, representing a gross of fees return of -3.48%. The return on financial market investments was -3.68% compared with the benchmark return of -3.92%.

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

Table 1

%	QTR	FYTD	1 Year	3 Years	5 years	Since Inc
Total Fund	-3.48	-12.24	-10.62	1.81	2.90	3.86
Benchmark	-3.71	-12.77	-11.13	1.42	2.59	3.75
Excess	0.23	0.53	0.51	0.40	0.31	0.11
Financial Market Investments	-3.68	-12.83	-11.19	1.86	2.94	3.87
Benchmark	-3.92	-13.39	-11.74	1.20	2.48	3.72
Excess	0.24	0.56	0.55	0.66	0.46	0.15
Investment in Petroleum Operations	1.11	3.35	4.50	0.06	n.a	0.65
Benchmark	1.11	3.35	4.50	4.50	n.a	4.50
Excess	0.00	0.00	0.00	-4.44	n.a	-3.85

%	QTR	FYTD	1 Year	3 Years	5 years	Since Inc
Total Financial Market Investments	-3.68	-12.83	-11.19	1.86	2.94	3.87
Benchmark	-3.92	-13.39	-11.74	1.20	2.48	3.72
Excess	0.24	0.56	0.55	0.66	0.46	0.15
Liquidity Portfolios	-0.37	-1.50	-1.79	n.a	n.a	-1.41
Benchmark	-0.39	-1.27	-1.59	n.a	n.a	-1.28
Excess	0.02	-0.23	-0.19	n.a	n.a	-0.13
Growth Portfolios	-4.32	-14.99	-13.00	n.a	n.a	-10.59
Benchmark	-4.42	-15.46	-13.55	n.a	n.a	-11.04
Excess	0.10	0.47	0.56	n.a	n.a	0.45

1. INVESTMENT MANDATE

A revised Management Agreement between Ministry of Finance and the Central Bank was signed on 25 June 2009. The Annexes of the Management Agreement has subsequently amended to reflect the actual investments.

From 1 November 2020, the Private Debt Instrument is separated from the financial market investments portfolio. From 1 July 2021, the Financial Market Investment portfolio is segmented into the Liquidity Portfolio and the Growth Portfolio. The benchmarks of the Financial Market Investment as of September 2022 were as follows:

Table 3

Mandates	Jul-22	Aug-22	Sep-22
Total Fund	100%	100%	100%
Investment in Petroleum Operations	3.37%	3.51%	3.64%
Financial Market Investment	96.63%	96.49%	96.36%
Total Financial Market Investment	100%	100%	100%
Liquidity Portfolio	16.36%	15.46%	16.45%
Growth Portfolio	83.64%	84.54%	83.55%
Total Liquidity Portfolio	100%	100%	100%
USD Cash	61.68%	58.08%	59.48%
US Government Short-term Treasury Notes	38.32%	41.92%	40.52%
Total Growth Portfolio	100%	100%	100%
US Government Treasury Notes 3-5 Years	45%	45%	45%
US Government Treasury Notes 5-10 Years	10%	10%	10%
Global Developed Market Sovereign Bond, Hedged	10%	10%	10%
Developed Market Equities	35%	35%	35%

2. MARKET TRENDS DURING THE QUARTER

Global Macroeconomic Trend

According to the latest Statement of Economic Projections released by the Federal Reserve, the year-end estimate for US GDP growth was revised downward significantly for the second straight time (from 1.7% in June, to 0.2%). Unemployment expectations for 2022 and 2023 were revised upward, and Core PCE inflation projections (the Fed's preferred measure of inflation) were raised from 4.3% in June, to 4.5%. The median "dot-plot" estimates for the year-end Fed Funds rate also increased from approximately 3.5% to 4.5%.

Global markets declined again in the third quarter as inflation remained near multi-decade highs, geopolitical tensions escalated further, and the Federal Reserve continued to aggressively hike interest rates signaling future rate increases will be larger than previously expected. The third quarter started with a solid rebound in stocks and bonds that was driven by resilient corporate earnings, signs of a possible peak in inflation, and hints from the Federal Reserve that the end of the rate hiking cycle may come sooner than markets initially expected.

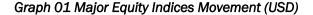
If there was one dominant trend across the markets in the third quarter, it's that volatility remained high. Geopolitical concerns also pressured stocks in September as Russia escalated the war in Ukraine by holding referendums in occupied Ukrainian territory, and by announcing a 300,000-person "mobilization" from the general Russian population.

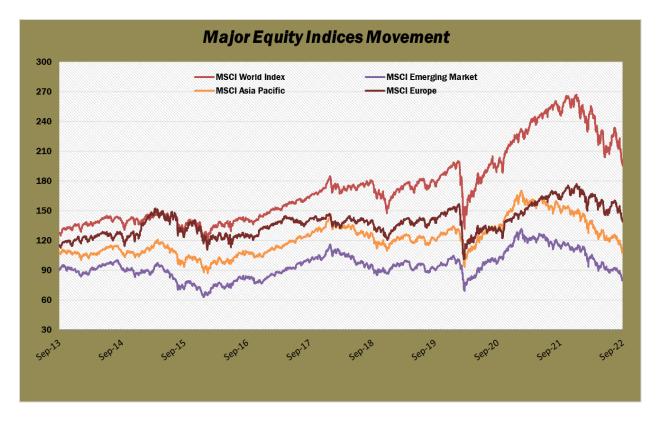
The combination of sticky inflation, expectations of numerous future Fed rate hikes, rising geopolitical tensions, and currency and bond market volatility weighed heavily on stocks and bonds into the end of September, as both markets finished the quarter near the lows for the year.

Global Equity Market Trends

All sectors of the MSCI All Country World Index lost ground, led by a steep drop among communication services stocks. The rate-sensitive real estate and utilities sectors also fell sharply. Energy and consumer discretionary stocks posted relatively better returns, though both sectors slipped during the quarter. A strong U.S. dollar put added pressure on international and emerging markets.

From an investment style standpoint, both value and growth registered losses for the second straight quarter. However, unlike the first half of 2022, growth relatively outperformed value in the third quarter.





Global Treasury Bonds include U.S Treasuries

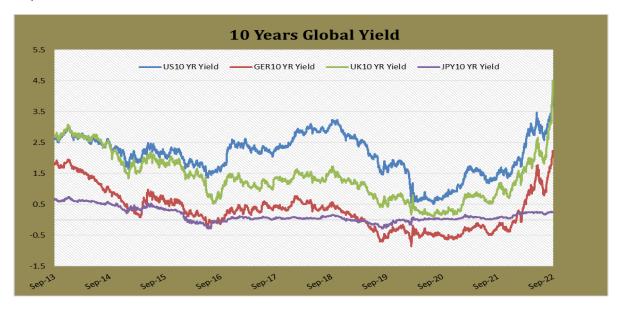
At the end of September, the yield on the 2-year Unites States Treasury Note (UST), 5-year UST, and the 10-year UST rates had increased 355, 283, and 232 basis points respectively since the beginning of January. Interest rates were quite volatile during Q3 with the 10-year UST yield ranging from a low of 2.58% in early August to a fourteen year high near 4.00% the last week of September. After a wild ride the 10-year UST yield finally settled at 3.83% at the end of the quarter.

Yields in other developed economies have moved along a similar path and are currently at multi-year highs. The August US CPI print was higher than expected and showed a reacceleration in core components. In some major economies, consumer prices rose by 8% to 10% annualized, surpassing 40-year highs.

The European Central Bank raised rates for the first time in more than a decade, ending an era of negative rates in the Eurozone. European bonds fell sharply as rising rates, surging energy prices and worries about a broad fiscal crisis gripped the region. Late in the quarter, the Bank of England launched an emergency bond buying program in an attempt to calm U.K. markets.

The yield on Germany's benchmark 10-year bond rose 78 basis points to end the quarter at 2.11%. Similar maturities in Italy climbed 125 basis points to 4.51%. In currency markets, the euro lost 6% and the pound fell 8% against the dollar.

Graph 02. 10 Years Global Yield



3. MANAGEMENT DURING THE QUARTER

Objectives

The Central Bank, as operational manager of the Fund, has implemented the investment mandates through a combination of internal and external management.

The following table shows how the investment mandates have been implemented.

Table 4

Mandate	Management Style	Authorised Managers	Tracking Error	Outperformance Target	Commencement date
Liquidity Portfolio	'				
3 Month USD Treasury Bills/Cash	-Passive BCTL		NTI n/o	Nil	August-18
BOA Merrill Lynch 1-3 Years US Treasury Bond Index			n/a	INII	July-21
Growth Portfolio					
BOA Merrill Lynch 3-5 Years US Treasury Bond Index	Passive BCTL —		0.25%	Nil	January-12
BOA Merrill Lynch 5-10 Years US Treasury Bond Index			0.50%	INII	May-20
Global Developed Market Sovereign Bond, Hedged	Enhanced Passive	BIS	0.50%	0.15%	April-20
MSCI World Index ex Australia Net Dividends Reinvested	Equity Easter	Schroders	3.0%	Nil	August 10
MSCI WORD ITHEX EX AUSTRALIA INEL DIVIDENUS REINVESTED	Equity Factor	SSgA	3.0%	IVII	August-19
MCCI World Index ox Australia Not Dividende Beinvested	SSgA SSgA		0.35%	Nil	January-12
MSCI World Index ex Australia Net Dividends Reinvested Passive		BlackRock	0.33%	IVII	February-13
MSCI Australia	Passive	BCTL	0.50%	Nil	July-16
Alternative	F4551VE	DUIL	n/a	INII	April-19

Operational Implementation

The actual allocation of the capital of the Fund to the various mandates as at the end of the quarter was as follows:

Table 5

Mandates	Ac	tual weight in F	MI
Manuales	Jul-22	Aug-22	Sep-22
Total Financial Market Investment	100%	100%	100%
Total Liquidity Portfolio	16.36%	15.46%	16.45%
BCTL 3 Month US Treasury Bill Index	10.09%	8.98%	9.78%
BCTL 1-3 year US Treasury Bonds Index	6.27%	6.48%	6.66%
Total Growth Portfolio	83.64%	84.54%	83.55%
Total Fixed Income	67.19%	67.51%	57.65%
BCTL 3-5 year US Treasury Bonds	39.06%	39.87%	40.38%
BCTL 5-10 year US Treasury Bonds	8.62%	8.60%	8.56%
BIS Global Developed Market Sovereign Bond, Hedged	8.52%	8.60%	8.71%
Total Global Equities	27.45%	27.46%	25.90%
SSGA Equity Factor	3.47%	3.47%	3.27%
Schroders Equity Factor	3.50%	3.50%	3.32%
SSGA International Equity Passive	8.19%	8.20%	7.73%
BlackRock International Equity Passive	11.60%	11.61%	10.94%
BCTL Australia Equities Passive	0.67%	0.70%	0.64%

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, which is compared with the performance of the corresponding benchmark. The benchmark represents the investment strategy established by the Minister and is used as a goal against which the performance of the actual investments is measured. The Minister's benchmarks for the Petroleum Fund are described earlier in this report.
- The excess is the difference (which may be 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 recognize 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 balance was \$16.913 billion as follows:

Table 6

Capital Account	\$'000
Opening book value (01 July 2022)	17,844,816
Receipts during the period	93,994
Transfer to General State Budget	(404,000)
Investment Return	(621,676)
Closing book value (30 September 2022)	16,913,134

The Fund was invested as follows:

Table 7

Assets	\$'000
Cash and Cash Equivalents	1,594,067
Other Receivables	8,653
Financial assets held at fair value through profit or loss	15,319,139
Less:	
Payable for Securities Purchased	-1,976
Accounts Payable	-6,749
Total	16,913,134

The income for the quarter was as follows:

Table 8

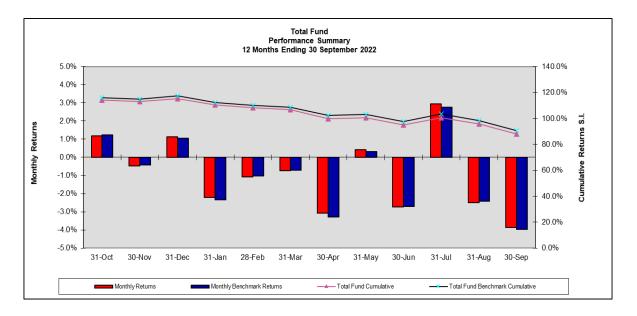
Income	\$'000
Interest income	51,901
Dividend income	24,609
Unit Trust distributions	1,106
Other Invesment income	-3
Net gains/(losses) on Financial Assets at fair value	-686,213
Net foreign exchange gains/(losses)	-8,527
Less:	
External manager, custody fees	-1,591
Central Bank management expenses	-1,974
IAB Expenses	-23
Other expenses	-69
Withholding taxes	-892
Total Investment Income	-621,676

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

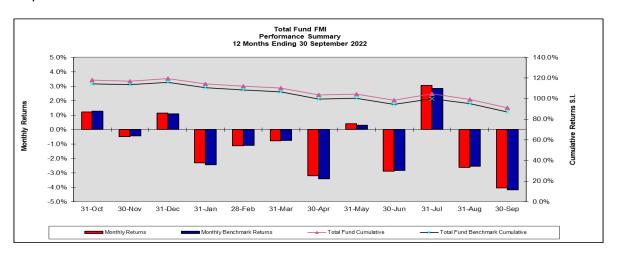
- Unit trust distribution is the income received from listed property investment entities.
- Other expenses relate to derivative trading costs which are deducted directly from the Fund.

The global Fund Performance of absolute and benchmark over the same period are shown in the following graph.

Graph 03 Total Fund Performances



Graph 04 Total Financial market Investments Performance



Liquidity Portfolio

The performance of the investments in the short-term liquidity portfolio for the quarter, including the performance of the managers responsible for those investments, was as follows:

%	Qtr	FYTD	1 Year	3 Years	5 Years	Since Inc
Liquidity Portfolio	-0.37	-1.50	-1.79	n.a	n.a	-1.41
Benchmark	-0.39	-1.27	-1.59	n.a	n.a	-1.28
Excess	0.02	-0.23	-0.19	n.a	n.a	-0.13
BCTL Cash Management	-0.08	-0.49	-0.48	0.08	0.84	0.89
ICE BoA ML 3 Month US Treasury Bill Index	0.44	0.59	0.60	0.59	1.25	1.07
Excess	-0.52	-1.07	-1.08	-0.51	-0.41	-0.18
BCTL ML 1-3 Year US Treasury Index	-1.16	-3.77	-4.21	n.a	n.a	-3.36
BoA Merrill Lynch 1-3 Years US Treasury Note Index	-1.77	-4.55	-5.06	n.a	n.a	-4.06
Excess	0.61	0.78	0.85	n.a	n.a	0.70

Growth Portfolio

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

Table 10

						Table 10
	Qtr	FYTD	1 Year	3 Years	5 Years	Since Inc
Growth Portfolio	-4.32	-14.99	-13.00	n.a	n.a	-10.59
Benchmark	-4.42	-15.46	-13.55	n.a	n.a	-11.04
Excess	0.10	0.47	0.56	n.a	n.a	0.45
International Fixed Interest	-2.72	-7.98	-8.61	-1.79	0.03	1.92
Benchmark	-3.59	-10.11	-10.71	-2.50	-0.40	1.79
Excess	0.87	2.14	2.10	0.72	0.43	0.13
BCTL 3-5 year US Treasury Bonds	-3.34	-8.90	-9.89	-1.85	0.04	0.70
BoA Merrill Lynch 3-5 Years US Treasury Passive	-3.45	-9.03	-9.87	-1.80	0.08	0.70
Excess	0.11	0.13	-0.02	-0.04	-0.04	0.00
BCTL 5-10 year US Treasury Bonds	-5.35	-13.90	-14.28	n.a	n.a	-7.76
BoA Merrill Lynch 5-10 Years US Treasury Passive	-5.88	-14.30	-14.42	n.a	n.a	-7.74
Excess	0.52	0.41	0.14	n.a	n.a	-0.02
BIS Global Treasury Developed Marked Hedged	-2.83	-11.46	-11.49	n.a	n.a	-5.51
Global Treasury Developed Market - Hedged	-3.54	-12.25	-12.21	n.a	n.a	-5.83
Excess	0.72	0.78	0.72	n.a	n.a	0.33
International Equities	-6.25	-24.36	-18.28	4.72	5.53	8.27
Benchmark	-6.19	-25.42	-19.63	4.56	5.30	7.83
Excess	-0.06	1.06	1.35	0.16	0.23	0.44
SSgA Equity Factor	-7.51	-23.06	-16.29	4.33	n.a	4.21
MSCI ex. Australia Net Dividends Reinvested	-6.18	-25.58	-19.71	4.65	n.a	4.64
Excess	-1.34	2.52	3.42	-0.32	n.a	-0.43
Schroders Equity Factor	-5.86	-21.91	-14.98	6.50	n.a	6.46
MSCI ex. Australia Net Dividends Reinvested	-6.18	-25.58	-19.71	4.65	n.a	4.64
Excess	0.31	3.66	4.73	1.86	n.a	1.82
SSGA International Equity Passive	-6.09	-25.20	-19.26	4.53	5.48	8.71
MSCI ex. Australia Net Dividends Reinvested	-6.18	-25.58	-19.71	4.65	5.37	8.45
Excess	0.09	0.37	0.44	-0.11	0.12	0.26
BlackRcok International Equity Passive	-6.07	-25.20	-19.25	4.72	5.58	7.97
MSCI ex. Australia Net Dividends Reinvested	-6.18	-25.58	-19.71	4.65	5.37	7.70
Excess	0.10	0.38	0.46	0.07	0.21	0.27
BCTL Australia Equity Passive	-6.63	-17.99	-16.22	0.08	2.12	4.66
MXAU Australia Net Dividends Reinvested	-6.74	-18.09	-16.37	0.54	2.40	4.88
Excess	0.11	0.11	0.15	-0.46	-0.27	-0.22

Private Debt Instrument for Petroleum Operations

The performance of the investment in Private debt instrument for Petroleum Operations for the quarter was as follows:

	Qtr	FYTD	1 Year	3 Years	5 Years	Since Inc
Private debt instrument for Petroleum Operations	1.11	3.35	4.50	0.06	n.a	0.65
Benchmark	1.11	3.35	4.50	4.50	n.a	4.50
Excess	0.00	0.00	0.00	-4.44	n.a	-3.85

5. MANAGEMENT COSTS

A management fee of \$3.658 million for operational management costs was charged to the fund during the quarter. The fee covered the following services (in thousands \$):

	Table 12
External Management and Custody expenses	1,591
Central Bank management expenses	1,974
IAB expenses	23
Other Expenses	69
Total Cost	3,658

6. TRANSFERS TO STATE BUDGET

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. An amount of \$404 million was transferred to the State Budget account during the quarter.

Table 13	In Thousand (\$)		
Transfer July 2022	0		
Transfer August 2022	-104,000		
Transfer September 2022	-300,000		
Transfer for this Quarter	-404,000		
Total transfers this fiscal year to September 2022	-854,000		

7. COMPLIANCE STATEMENT

Banco Central de Timor-Leste 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 universes specified in the various mandates at all times during the quarter.

Modified Duration

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

Tracking Error

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

External Managers

External managers' investments were within their mandates during the quarter.

Internal Audit

The provisions of Article 22 of the Petroleum Fund law no. 9/2005 require the Central Bank's Internal Auditor to perform an audit of the Fund every six months. The Internal Auditor has performed an audit up to quarter ended 30 June 2021.

8. 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.

Table 14

		Table 14
BALANCE SHEET	Sep-22	Sep-21
In thousands of USD	00p 22	
ASSETS		
Cash and Cash Equivalents	1,594,067	957,315
Receivables	8,654	5,509
Financial assets held at fair value through profit or loss	15,319,139	18,218,838
TOTAL ASSETS	16,921,859	19,181,663
LIABILITIES		
Payables for securities purchased	-1,976	-2,505
Accounts payable	-6,749	-3,275
TOTAL LIABILITIES	-8,725	-5,779
· ·		
NET ASSETS	16,913,134	19,175,883
CAPITAL		
Opening Balance (July)	17,844,816	18,990,614
PF Law Art. 6.1 (a) Revenue receipts	93,994	116,351
PF Law Art. 6.1 (b) DA receipts	0	129,417
PF Law Art. 6.1 (e) Other receipts	0	6,725
PF Law Art 7.1 Transfers to State Budget	-404,000	-797,873
Income for the period	-621,676	730,649
CAPITAL	16,913,134	19,175,883

Note: There has been reclassification of a private debt instrument from amortized cost method to fair value measurement. The Fair Value as of December 2020 was \$615.7 million reflected in financial assets held at fair value until a new valuation for 2021 is finalized.

				10010 20	
STATEMENT OF PROFIT OR LOSS	QUA	QUARTER		YEAR TO DATE	
In thousands of USD	Sep-22	Sep-21	Sep-22	Sep-21	
INVESTMENT INCOME					
Interest income	51,901	39,700	133,572	117,487	
Dividend income	24,609	26,164	86,787	100,316	
Trust income	1,106	810	2,866	3,043	
Other investment income	-3	-6	237	10	
Net gains/(losses) on Financial Assets at fair value	-686,213	-49,521	-2,747,133	552,436	
Net foreign exchange gains/(losses)	-8,527	-4,835	-19,554	-8,564	
Total Investment Income	-617,126	12,311	-2,543,224	764,728	
EXPENSES					
External management, fees	1,591	1,944	5,625	5,950	
Internal operational management fees	1,974	1,974	5,121	5,750	
IAB Expenses	23	51	170	120	
Other expenses	69	346	343	688	
Total expenses	3,658	4,313	11,259	12,507	
Profit before tax	-620,784	7,997	-2,554,483	752,222	
Withholding taxes on investments	892	1,138	5,452	6,228	
Profit/loss for the period	-621,676	6,859	-2,559,935	723,724	
Other comprehensive income		0		0	
Total comprehensive income for the period	-621,676	6,858	-2,559,935	723,724	

Note: 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, 28 October 2022

Venancio Alves Maria Deputy Governor Abraão de Vasconselos Governor