



The Capital Markets Soundness Report (CMSR)

Volume XXIII Quarter 4 2024 (1st October – 31st December) 2024

OPPORTUNITIES AND RISKS WITH THE GROWING ADOPTION OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN CAPITAL MARKETS

Quarterly Publication of the Capital Markets Authority (Kenya)

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SPECIAL MESSAGE FROM THE CHIEF EXECUTIVE OFFICER



Mr. Wyckliffe Shamiah, FCPA

Chief Executive Officer

Capital Markets Authority, Kenya

Dear Esteemed Reader,

Happy New Year 2025!

The Capital Markets Authority (CMA) begins the year by releasing the quarterly Capital Markets Soundness Report (CMSR). In January 2025, we present the 33rd edition of this report to our valued stakeholders. This edition provides a comprehensive analysis of the domestic capital markets' performance in the fourth quarter of 2024, evaluating its soundness while identifying key risks and opportunities observed during the period. The report serves as a valuable resource, keeping stakeholders informed on local, regional, and international developments within the capital markets ecosystem.

The fourth quarter of 2024 saw stable economic growth, with a notable reduction in inflation and central bank targets. Looking ahead, the global economic outlook for 2025 is even more optimistic, with projected global GDP growth of 3.3%, up from 3.2% in 2024. The domestic market has shown strong resilience, as reflected in the improved performance of market indices during the quarter.

As the year concluded, the Authority approved various licenses for firms across different categories. I am pleased to highlight that the CMA remains committed to expanding

investment product offerings through its regulatory functions. This includes the licensing of

the Ziidi Money Market Fund by Safaricom PLC, which enhances the range of Collective

Investment Schemes (CIS) available to investors. Additionally, the Authority has approved

the launch of Options Derivatives Trading by the Nairobi Securities Exchange (NSE), further

demonstrating our commitment to ensuring that domestic markets remain dynamic and

conducive to investment.

In closing, I extend my sincere appreciation to all our stakeholders for your continued support

in advancing the growth of capital markets. As you review the report, we encourage you to

share your insights on key findings, lessons learned, opportunities, risks, and mitigation

strategies. Your feedback is invaluable and will contribute to enhancing this quarterly

publication.

The Authority wishes you a prosperous and successful 2025.

Happy Reading!

FCPA Wyckliffe Shamiah

CHIEF EXECUTIVE OFFICER

EDITORIAL



Greetings!

The growing adoption of Artificial Intelligence (AI) and Machine Learning (ML) is set to significantly impact the capital markets industry. I am pleased to present the final quarterly edition of 2024, titled "Opportunities and Risks with the Growing Adoption of Artificial Intelligence and Machine Learning in Capital Markets."

This special feature explores the transformative role of AI in reshaping the capital markets landscape, highlighting its potential to improve efficiency and accelerate product uptake. AI technologies, including Machine Learning and Generative AI, are revolutionizing market analysis, decision-making, and trade execution. Despite the many benefits, such as enhanced forecasting, risk management, and portfolio optimization, the widespread adoption of AI introduces challenges, including ethical concerns, outsourcing risks, data quality issues, and the need for continuous algorithm monitoring. Regulatory bodies, such as IOSCO, have issued guidelines to address these risks, emphasizing transparency, fairness, and responsible implementation. We take note that globally, different jurisdictions have developed distinct frameworks to ensure the ethical and secure use of AI within the market.

This edition also highlights recent global and regional developments, including the UK Financial Conduct Authority's response to market reviews on financing global decarbonization and growth, and the launch of Egypt's Arab African Estidama bond, valued at \$500 million.

During the period under review, the MSCI World Index and Emerging Market Index showed positive returns of 19.19% and 8.05%, respectively. Kenya performed exceptionally well, posting positive returns, while other African countries such as Côte d'Ivoire, Nigeria, Tunisia,

Morocco, Senegal, and Zimbabwe experienced negative returns. Kenya's performance was

bolstered by a strong shilling against the US dollar.

The domestic capital markets displayed resilience, with Kenya again outperforming many

frontier markets, achieving a year-to-date return of 76.62%. The report also highlights a

significant negative net equity portfolio outflow of Kshs 16.639 billion, a notable increase

from Kshs 628 million in the previous quarter. This outflow is attributed to the political

instability during the second quarter of 2024, which may have led foreign investors to exit

the market. The four major indices NSE 20, NSE 25, NASI, and NSE 10 closed at 2,010.65,

3,402.80, 123.48, and 1,302.31 points, reflecting increases of 13.23%, 17.37%, 15.32%, and

15.79%, respectively.

The edition concludes with an in-depth analysis of capital market stability, focusing on trends

in market volatility, liquidity, concentration, and foreign portfolio flows.

We look forward to your continued support in helping the Authority fulfill its mandate of

regulation and market development.

Enjoy your read!

Mr. Luke E. Ombara

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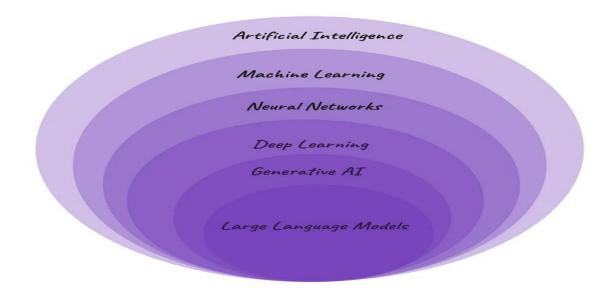
DIRECTOR, POLICY AND MARKET DEVELOPMENT

I. SPECIAL FEATURE: OPPORTUNITIES AND RISKS WITH THE GROWING ADOPTION OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN CAPITAL MARKETS

Growing adoption of Artificial Intelligence (AI) growing adoption has fundamentally reshaped the capital markets industry and it possesses further potential to deepen product uptake and enhance efficiency within the capital markets. The term Artificial Intelligence was first used by computer scientist John McCarthy in 1956. It refers to the science and engineering of creating intelligent machines, or simply, making computers act like humans to solve problems. All powered technologies have been around for a while and some everyday examples are Siri and Alexa and customer service chatbots that pop up on websites.

Machine Learning is a branch of AI that focuses on the using of data and algorithms to enable AI to imitate the way that humans learn, gradually improving its accuracy. Generative AI (GenAI) (is subset of Deep Learning), a type of artificial intelligence technology that can generate different types of content - such as text, imagery, audio, video - based on what has learnt from existing content.

Figure 1Artificial Intelligence and its Subsets.



Source: https://medium.com/womenintechnology/ai-c3412c5aaoac

Potential Use Cases of Artificial Intelligence in the Capital Markets

Post the financial crisis of 2008 and the more recent Covid-19 crisis, capital markets players are increasingly keen on advancing their quantitative capabilities to support timely and cost-effective decision making as the world becomes more uncertain. The capital markets long standing focus on data analysis when designing products, analyzing market behavior and supporting forecasting has supported the increasing leveraging of AI and **Generative AI** techniques.

Figure 2AI Capabilities



Al can perform administrative tasks faster and better than humans, enabling the latter to focus on higher-value activities. New capabilities include:

- New document-preparation tools and platforms allow for the large-scale automation of key services such as duediligence documentation and routine preparatory tasks.
- Digitised information sharing enables content such as reports, performance data, pitch decks and legal documents to be easily circulated with deal prospects in open and automated virtual data rooms.
- Automated investor reports can streamline the valuation process at scale through the collection, normalisation and analysis of financial data using document recognition.
- Voice assistants allow clients to ask an institution specific questions and receive personalised answers 24/7/365, reducing the reliance on manual work for rote question and answer.

Source: Deloitte

In the decision-making phase, AI can help predict market trends and asset prices by analyzing past data. AI technologies can also examine news, social media, and financial reports to understand how people feel about certain investments, which can help forecast how the market might react. These technologies can also assess the risks involved in various investments, considering factors like market changes or company performance. Additionally, AI can be used to optimize investment portfolios, ensuring the right mix of assets is chosen to maximize returns while minimizing risks.

When it comes to executing trades, AI and ML algorithms can automatically make trades at the best possible times, based on data patterns. This reduces the need for human intervention, saving time and lowering the chances of errors. AI can also predict how easily assets can be bought or sold in the market, helping traders avoid paying extra costs when making large trades.

In the monitoring phase, Al is used to spot any unusual activity in the market or in investment portfolios, sending alerts when something seems off, such as potential fraud. Al can also track how well investments are performing in real time, adjusting strategies when needed. Additionally, Al helps ensure that all trades and investments follow the necessary rules and regulations by checking for any issues that might arise.

Figure 3Recent and Potential Use Cases for Artificial Intelligence and Machine Learning in Capital Markets Activities

Vou	Client/Institution Profiling	Asset Alloca	ation	Trading	Risk Mana	gement
Key Processes	Identification of Needs and Constraints	Asset Class Allocation Sector	, , , , , , , , , , , , , , , , , , , ,	Orders Placement and Execution	Risk Monitoring	Reporting
Potential Benefits from Adopting Al	Enhance client's profile assessment • Analyze unstructured or alternative clients' data to understand unique objectives, idiosyncratic needs, and risk preference • Generate simulated scenarios and visualization of potential outcomes of different asset mix	Enhance optimization and forecast techniques for strategic allocation • High dimensional forecasting and predictor selections • Deep learning methodologies for dynamic multiperiod portfolio optimization • Clustering/network analysis to analyze multidimensional interactions/ correlations	Improve analysis precision • Feature extraction (beta, momentum, and so on) • Network/ multidimension analysis for relative value analysis and identify price dislocation	Minimize market impact • Structured trade execution algorithms to minimize market impact • Analyzing unstructured data and cross-market indicators to identify prevailing liquidity conditions Assist price discovery • Modelling executable prices for illiquid secu- rities through multiple market indicators	Dynamic risk sensing Generate risk hypothesis To identify performance drivers and anomalies through multidimensional analysis Generate risk scenario Value-at-risk estimation through	Customize insights Customized content generation, reports, and dashboards Chatbot Ease compliance monitoring Screening, flagging, and reporting of anomalies
		Derive signals from unstrualternative data • Natural language processi sentiment analysis to iden opportunities • Polarity detection, microte extraction, or sarcasm det signal quality	ing models for itify thematic ext analysis, aspect	Improve liquidity management efficiency • Forecast liquidity needs (margin management, collateral, etc.) through clustering/network analysis	generative adversarial networks to capture temporal dynamics in time-series data	

Sources: Academic studies; IMF outreach discussions (see Box 3.1); prospectus from third-party services; and IMF staff compilations.

Risks and challenges attendant with AI Adoption in The Capital Markets

The International Organization of Securities Commissions (IOSCO)'s 2021 report titled (The use of artificial intelligence and machine learning by market intermediaries and asset

managers) denoted several risks following a survey identified risks and harms attendant to the adoption and evolution of AI use in the capital markets.

Ethical concerns

The integration of AI in capital markets decision making process has spotlighted several ethical concerns related to privacy, bias and fairness, accountability, transparency and explainability. AI models have the potential to develop and incorporate certain social biases and potentially propose unwanted outcomes if the source data cleaning and analysis were not carefully considered. Robo-advisory applications could potentially pose ethical harm by perpetuating biases if unchecked. Robo advisers can also use confidential financial information without being data compliant. Finally, there may be lack of transparency on how AI models make decisions given the opacity of the rules and parameters of the algorithm that is at the core of robo-advisory solutions. These concerns if not adequately addressed may hinder the uptake of robo-advisory solutions.

Outsourcing risks

Investment firms which rely on other third-party AI technology providers to automate the investment process and or provide advanced data analytics services face higher outage risks. Data privacy and security risks are amplified with the sharing of data for processing by third party AI technology providers.

Algorithm development, testing and ongoing monitoring challenges.

IOSCO's engagement on matters AI evidenced that in most cases there is not an established framework for specifically developing AI and ML. Instead, many firms use the same development and testing frameworks that they use for traditional algorithms and standard system development management processes. Algorithms rely on quality data and most firms recognise the need for quality data inputs. Excessive immaterial, or "noisy" data is unwanted data that does not contribute to a relationship and may cause ML algorithms to miss the signal in the data and behave unexpectedly. Machine learning algorithms as they continue to learn may also tend to behave more unpredictably hence the need for continuous monitoring.

Data quality and bias

Poor quality data sets and insufficiency of the dataset will affect the performance and potential outcomes of the AI and ML models. Learned bias in the dataset can impact the decisions made by such algorithms and may result in discriminative decisions and provide undesirable outcomes to market participants. For example, asking questions phrased in a certain way or in a certain sequence may lead to a response that introduces implicit or explicit bias from the respondents especially for robo-advisors.

IOSCO Guidance

IOSCO advises that the principle of proportionality should guide regulators; consideration should be given to the activity that is being undertaken, the complexity of the activity, risk profiles, the degree of autonomy of the AI and ML applications, and the potential impact that the technology has on client outcomes and market integrity.

Table 1 IOSCOs Guidance on Risk Mitigation Measures

Risks/Challenges	IOSCO Risk Mitigation Measure
Ethical concerns	Regulators should consider what level of disclosure of the use of AI and ML, is required by firms, including: (a) Regulators should consider requiring firms to disclose meaningful information to customers and clients around their use of AI and ML that impact client outcomes. (b) Regulators should consider what disclosures they may require from firms using AI and ML to ensure they can have appropriate oversight of those firms.
Algorithm development, testing and ongoing monitoring challenges	Regulators should require firms to adequately test and monitor the algorithms to validate the results of an AI and ML technique on a continuous basis. The testing should be conducted in an environment that is segregated from the live environment prior to deployment to ensure that AI and ML: (a) behave as expected in stressed and unstressed market conditions; and (b) operate in a way that complies with regulatory obligations.

Inadequate skills,	Regulators should require firms to have the adequate skills, expertise, and				
expertise, and	experience to develop, test, deploy, monitor, and oversee the controls over				
experience to	the AI and ML that the firm utilises. Compliance and risk management				
develop, test,	functions should be able to				
deploy, monitor	understand and challenge the algorithms that are produced and conduct				
and	due diligence on any third-party provider, including on the level of				
	knowledge, expertise, and experience present.				
Outsourcing risks	Regulators should require firms to understand their reliance on and				
	manage their relationship with third-party providers of AI and ML,				
	including monitoring providers' performance and conducting oversight. To				
	ensure adequate accountability, firms should have a clear service level				
	agreement and contract in place clarifying the				
	scope of the outsourced functions and the responsibility of the service				
	provider. Where appropriate, this agreement should contain clear				
	performance indicators and should also clearly determine rights and				
	remedies for poor performance.				
Data quality and	Regulators should consider requiring firms to have appropriate controls in				
bias	place to ensure that the data that the performance of the ML and AI is				
	dependent on is of sufficient quality to minimise biases and sufficiently				
	broad for a well-founded application of AI and ML.				

Jurisdictional Review

A number of securities regulators have developed bespoke guidance while some are in the process of developing guidelines to guide market players on the responsible deployment of AI and ML models within capital markets.

Table 2AI and ML Jurisdictional Review

Jurisdiction	Regulatory Approach

FSRA (Abu Dhabi Global Market)

The Financial Services Regulatory Authority (FSRA) issued detailed guidance in July 2019 setting out the regulatory framework for firms carrying out "digital investment management".

(i.e., robo-advisory activities) in Abu Dhabi Global Market (ADGM). Such firms (termed "Digital Investment Managers") are required to apply for a licence from the FSRA to conduct one or more regulated activities which may include (depending on their business models):

- Advising on Investments or Credit
- Arranging Deals in Investments
- Managing Assets

Canada

According to the National Instrument on Electronic Trading and Direct Electronic Access to Marketplaces13 and the Investment Industry Regulatory Organization of Canada (IIROC) Notice 12-0364 – Guidance Respecting Electronic Trading, firms are required to ensure that algorithmic trading systems used by participants to route orders to marketplace have been adequately tested prior to being "engaged", including the ability of the firm to immediately disengage the operation of the algorithmic trading system should the need arise.

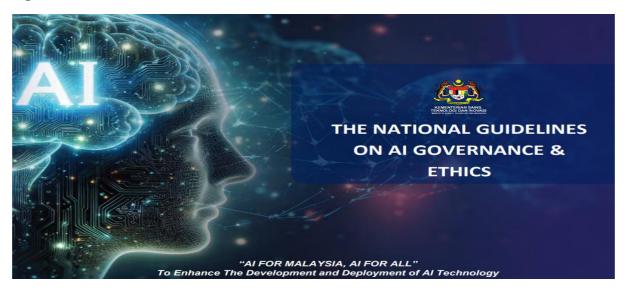
United Kingdom

The Financial Conduct Authority (FCA) deems it good practice to review how trading algorithms are used; develop appropriate definitions; ensure all activities are captured; identify any changes to algorithms; and have a consistent methodology across the testing and deployment of AI and ML. Markets in Financial Instruments Directive (MiFID II) requires firms to develop processes to identify algorithmic trading across the business

China	Firms	deploying	ΑI	adhere	to	the	Measures	for	the
	Admin	istration of	f Inf	ormation	ı Te	chnol	ogy Manag	emen	nt of
	Licens	ed Corpora	tion	in Dec	emb	er 20	018 (CSRC	No.	152,
	hereinafter referred to as Measures).								

Securities Commission of Malaysian Case Study

Figure 4National Guidelines on Al Governance and Ethics (AIGE)



Source: Ministry of Science, Technology, and Innovation

The National Guidelines on AI Governance and Ethics (AIGE) were developed and published by Malaysia's Ministry of Science, Technology, and Innovation (MOSTI) on September 2024. They outline crucial principles and frameworks for the responsible development and deployment of Artificial Intelligence (AI) within Malaysia.

The Securities Commission of Malaysia subsequently revised its Guidelines on Technology Risk Management issued on 19th August 2024 to provide guiding principles relating to the adoption of artificial intelligence (AI) and machine learning (ML).

Table 3SC Malaysia AI and ML Guiding Principles

Principle	Description
Accountability	A capital market entity should establish and implement a
	robust and sound governance framework and process to

	oversee the development and use of its AI and ML. A capital market entity should also have a workforce capable of managing AI and ML systems and a broad set of stakeholders.
Transparency and Explainability	A capital market entity should be able to explain what went into making a specific decision by the AI and ML. In adopting AI-assisted decision, the capital market entity should be able to provide an explanation on—
	(i) the process (i.e. governance of AI); and (ii) the outcome of the AI application (i.e. reasoning of the algorithmic decision).
Fairness and Non- Discrimination	A capital market entity should design its AI and ML systems in a way that respects the rule of law, human rights, democratic values, and diversity, and should include appropriate safeguards to ensure that users or groups of users are not systematically disadvantaged or discriminated.
Practical Accuracy and Reliability	A capital market entity should— (a) rigorously conduct validation and testing on its AI and ML systems. (b) ensure privacy, data protection and security in AI systems by employing data governance and management, throughout the data lifecycle; and (c) ensure robust security and resilience of its AI systems through, among others, the implementation of appropriate controls and security measures.

Action Plan

There is an urgent need for the National Government to pronounce itself on the use of AI.CMA Kenya is proposing the establishment of a National Taskforce to develop guidelines on AI Governance and Ethics. This will thereafter inform the development of capital markets specific guidelines.

II. THE GLOBAL ECONOMIC AND CAPITAL MARKET PERFORMANCE OUTLOOK

Global economic growth remained stable during the last quarter of 2024 and is projected to remain resilient as we head into 2025.On the global front geopolitical tensions the scarring effects of the COVID-19 pandemic, supply chain disruptions, high inflation, extreme weather events defined the global economic environment. The effects of this key risk events will define the pace of economic growth into 2025.The most consequential event during this quarter was the outcome of the U.S. presidential elections during which former President Donald Trump staged a remarkable comeback.

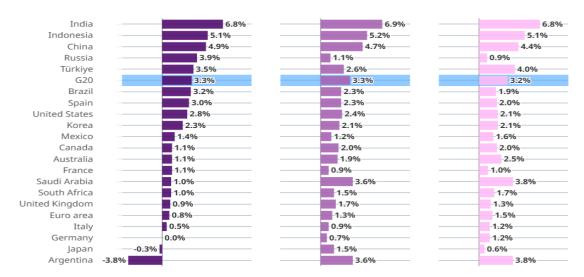


Figure 5Real GDP growth projections for 2024, 2025 and 2026.

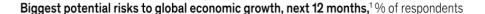
Source: OECD

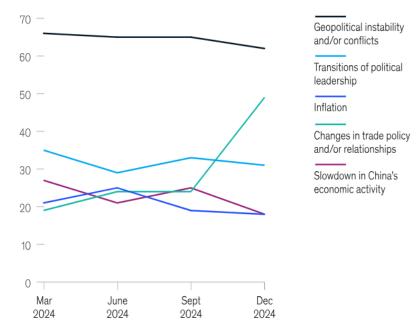
The OECD¹projects that global growth is anticipated to remain resilient against the mounting economic and geopolitical challenges as we head into 2025. The Outlook projects

¹ https://www.oecd.org/en/about/news/press-releases/2024/12/economic-outlook-global-growth-to-remain-resilient-in-2025-and-2026-despite-significant-

global GDP growth of 3.3% in 2025, up from 3.2% in 2024, and 3.3% in 2026. Notably inflation has declined further towards central bank targets, while growth has remained stable throughout 2024. Policy makers will need to undertake a raft of measures to protect global macro-economic recovery key among them being carefully calibrated monetary policy easing to anchor inflation within targets.

Figure 6Mckinsey Economic Outlook December 2024





Out of 15 risks that were offered as answer choices. Mar 4–8, 2024, n = 957; June 3–7, 2024, n = 927; Aug 28–Sept 6, 2024, n = 1,203; Nov 27–Dec 6, 2024, n = 912.

Source: McKinsey

The latest² McKinsey global survey on economic conditions highlights that drastic trade policy changes are now closely at par with global instability as a key economic risk as we head into 2025.

Global Capital Markets

Capital markets in 2024 registered robust returns buoyed by global economic resilience. With inflation seemingly anchored within targets, the easing of global financial conditions

risks.html#:~:text=The%20Outlook%20projects%20global%20GDP,monetary%20policy%20in%20most %20countries.

 $^{^2\} https://www.mckinsey.com/capabilities/strategy-and-corporate-finance/our-insights/economic-conditions-outlook-2024\#section-header-December 2024$

provided an environment of positive investor sentiments supporting the resilience of global capital markets.

Donald Trump's re-election as president of the United States on 5 November has stirred optimism in global capital markets supported by his call for deregulation and reducing government intervention. Financial assets likely to be impacted by Trumps policy shifts reacted swiftly to his re-election news.US stocks rallied ("Trumps Trades") on President elect Trumps historic re-election on the back of potential positive policy changes notably deregulation. Banks, expected to benefit from loosening regulations under Trump, powered the gains leading to the S&P 500 registering its biggest one-day percentage gain since November 2022.

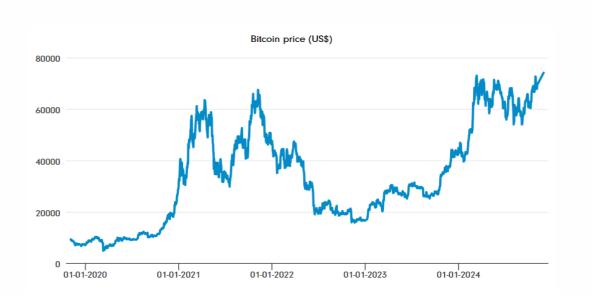


Figure 7S&P 500 Reaction to Trump Win

Source: Source: U.S. Bank Asset Management Group.

Bitcoin prices surged as the cryptocurrency industry anticipated benefits from deregulation and President-elect Donald Trump plans to create a U.S. bitcoin strategic reserve.

Figure 8Bitcoin Price \$



Source: Investing.com

Global IPO volumes fell 10% with proceeds down by 4% on a year-on-year basis. The global IPO market recorded 1,215 deals, raising US\$121.2bn in proceeds in 2024, falling slightly behind 2023 levels. The global IPO market seems to have shaken off the fears of a global economic recession on the back of positive macro-economic developments key being inflation receding across Europe, Asia, and the United States. As inflationary pressures ease, interest rates decline, and a global election cycle provides more clarity on ³policy outlooks, investors have shown increasing willingness to allocate capital toward IPOs.

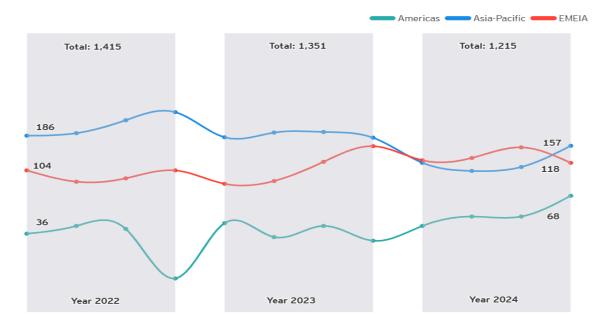
India has achieved a historic milestone by becoming the global leader in IPO volume, with 327 deals recorded. This marks the first time the country has topped the world rankings for the number of IPOs. Meanwhile, the United States has regained the top position globally for IPO proceeds, raising \$27.6 billion in 2024, the first time since 2021.

A key defining feature of 2024 IPO's landscape was the public listings of Venture Capital and Private Equity-backed portfolio companies contributing over 46% of total global IPO proceeds, highlighting their substantial contribution to global IPO activity and reinforcing the critical role of PE and VC firms in the capital markets.

Figure 9Global IPO volume activity 2022-2024.

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 $https://www.ey.com/en_gl/insights/ipo/trends\#: \sim: text=Three\%20 distinct\%20 lines\%2C\%20 each\%20 representing, at \%20276\%20 in \%20Q4\%202022.$

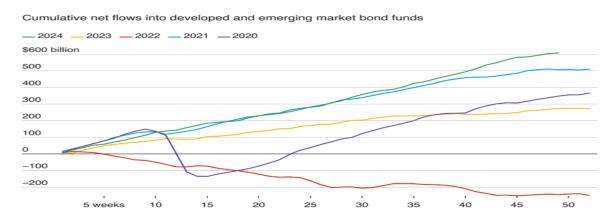


Sources: EY analysis, Dealogic

Global Bond Markets

2024 was a great year for the global fixed income market on the back of dwindling inflation which allowed Central Banks across the globe to lower interest rates leading to relatively high yields available to investors. Investors are positioning themselves for sharper yield surges into 2025, post the inauguration of President elect-Donald Trump.

Figure 10Investor Pour Record Amounts into Bond Funds in 2024

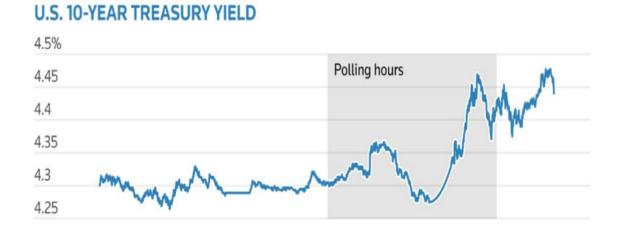


Source: Reuters

The yield on American government bonds, a key global financial benchmark, rose by about a fifth of a percentage point to almost 4.5% for the 10-year bond on the back of Trumps reelection. With the President-elect's pledge to introduce tax cuts and steep tariffs could boost

economic growth — but potentially widen the fiscal deficit and refuel inflation, leading to bond yields rising in 2025. This is the case as higher inflationary pressures that would come from borrowing to compensate for the tax cuts would lead potentially the FED to scale its rate cuts into 2025.

Figure 11US 10 Year Treasury Yield



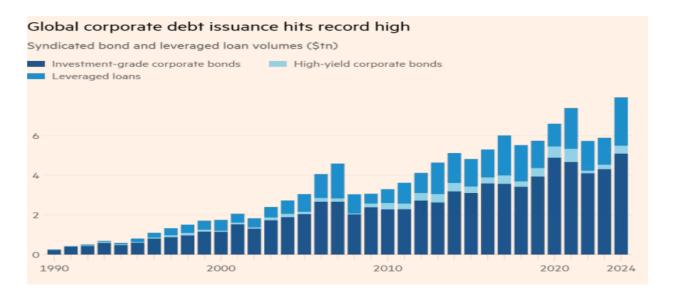
Source: https://www.reuters.com/markets/us/sp-500-futures-soar-record-high-after-trump-claims-victory-2024-11-06/

The demand for global corporate bond markets in Q4 2024 remained strong given their higher yields compared to government paper complemented by strong investor demand for corporate debt. Corporate Bond yields are at still attractive levels, given that government bond yields have risen significantly since 2022. Global corporate debt sales⁴ soared to a record \$7.93 tn this year, as companies took advantage of red-hot demand from investors to accelerate their borrowing plans.

Figure 12Investment Grade Credit

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⁴ https://ft.com/content/3bb5df0d-f5d6-4360-9a6a-d27dabb3e5a2

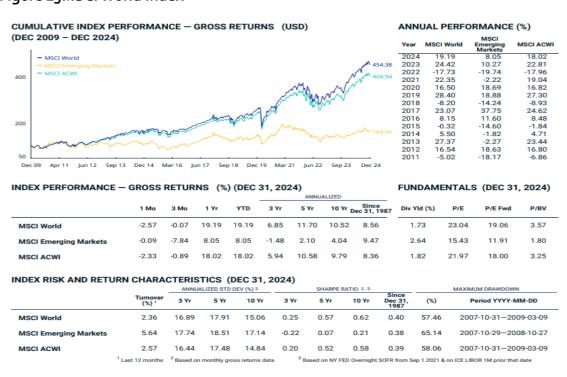


Source: LSEG

Global Equity Markets

Global equity markets registered positive returns, with the MSCI World Index recording a positive return of 19.19 % and the Emerging Market Index recording a return of 8.05 %, in United States Dollar terms, on a year-to-date basis.

Figure 13MSCI World Index



Source: MSCI

Global equities markets in Q4 2024 registered impressive performance supported by positive global macro-developments and the optimism surrounding President elect Trumps electoral victory. 2024 has been a remarkable year for the US stock markets⁵. The S&P 500 has seen a growth of over 25%, while the Nasdaq Composite has surged more than 30% this year placing it among the strongest years on record.



Figure 14 S&P 500 and NASDAQ Composite Index Performance 2024

Source: GSB

Performance of Select African Markets

The risk of debt distress, rising geo-political tensions, negative impacts of climate change, weakening government balance sheets, and the adverse effects of currency depreciation weighed down the economic recovery of Sub-Saharan Africa. The complex interplay⁶ of poverty, scarce opportunities, and weak governance--compounded by a higher cost of living and short-term hardships linked to macroeconomic adjustment are fueling social frustration. Capital markets resilience has been key in supporting economic growth across several African Countries.

⁵ https://gsbglobal.com/newsroom/market-review-december-2024/

⁶ https://www.imf.org/en/Publications/REO/SSA/Issues/2024/10/25/regional-economic-outlook-for-sub-saharan-africa-october-2024

The ABSA Africa Financial Markets Index 2024⁷ notes that major FX reforms have been implemented in Egypt, Ethiopia, and Nigeria in the past year to move towards more market-based regimes. Progress on market infrastructure has continued for a handful of countries, particularly in upgrading central securities depositories. New ESG bonds were listed in Botswana, Cabo Verde, Mauritius, and Zambia, while Rwanda and Zambia implemented new climate-related financial regulation as key developments which will support capital markets deepening across the continent.

Figure 15Absa Group Africa Financial Markets Index

RA	INK	COLUNTRY	SCORE					
2024	024 2023 COUNTRY		2024 2023		COMMENTS			
1	1	South Africa	South Africa 87 87		Deep, liquid and advanced financial market			
2	2	Mauritius	77	77	First listed green bond but softening growth prospects			
3	3	Nigeria	64	65	High inflation and FX shortages weigh on score			
4	4	Uganda	63	62	Strengthening macroeconomic environment			
5	5	Namibia	61	61	Large pension assets but weaker liquidity			
6	7	Botswana	59	58	First domestic sustainable bond issuance			
7	6	Ghana	59	58	New clean legal opinion and sharp fall in inflation			
8	8	Kenya	57	58	First domestic sukuk bond but weaker FX reserves			
9	9	Morocco	57	56	Higher stock market size and liquidity			
10	10	Zambia	56	55	New regulation for climate stress testing			
11	11	Egypt	55	52	Improved size and liquidity of domestic bond market			
12 12		Tanzania	52	50	New guidelines for FX market transparency			

Source: ABSA

⁷ https://cib.absa.africa/home/insights-and-events/absa-africa-financial-markets-index-2024/#download-report

Kenya registered positive returns during the quarter under review, with Côte d'Ivoire, Nigeria, Tunisia, Morocco, Senegal and Zimbabwe registering negative returns. Kenya's stellar performance was supported by a strong shilling against the US dollar.

Performance Across Select African Markets -MSCI (Markets Standard (Price) as of 30 September 2024)

Table 4Performance Across Select African Markets

MSCI Index	Index Code	Last	Day	MTD	3MTD	YTD
Côte d'Ivoire	712199	1,656.56	1.04%	-1.18%	-0.92%	34.87%
Kenya	136643	914.115	1.16%	11.04%	13.98%	65.29%
Morocco	105765	305.741	0.28%	-2.73%	-2.77%	16.17%
Nigeria	136645	39.137	-0.45%	16.02%	23.71%	-67.70%
Senegal	712202	976.150	0.59%	-0.93%	-4.02%	25.13%
Tunisia	136646	773.319	0.79%	-1.06%	-6.28%	3.90%
Zimbabwe	700873	740.214	-0.71%	-22.06%	-21.98%	-3.59%

Source: MSCI

Top Global Risks and Opportunities During the Quarter

Key Risks Identified

- 1. Uncertainty especially on the implementation of President Elect Donald Trumps economic policies and the potential knock-on effects on developing countries such as Kenya may impact on Kenya's economic recovery and ability to raise money in international capital markets. The proposed tax cuts, increased tariffs on imported goods and a massive crackdown on immigration could negatively impact on Kenya's exports and diaspora remittances inflows, leading to a slower rate of economic recovery.
- 2. Geopolitical risks, including tensions between major powers, continue to be a significant concern for global stability. The Russia-Ukraine crisis, Israel-Hamas conflicts and the simmering China-US tensions concerning the South China Sea

- issue may heighten fears among global investors leading to a slowdown in capital markets activity.
- 3. The persisting effects of climate change as we head into 2025, the frequency and intensity of floods and drought will continue to pose adverse knock-on effects on Kenya's economic recovery post covid impacting negatively on the capital markets recovery post covid-19.

Key Opportunities

- 1. Amidst the global geopolitical tensions including the Africa specific conflicts, Kenya prides itself as a peaceful nation. Thus, we can leverage on our geopolitical environment to market Kenya's capital market as an investment destination of choice.
- 2. The capital markets industry to step up its climate resilient funding to enterprises, MDAs, and the government to mitigate against climate related impacts.

III. INTERNATIONAL DEVELOPMENTS

1. FCA responds to market review on delivering finance for global decarbonization and UK growth.

The Financial Conduct Authority (FCA) responded to the UK's Transition Finance Market Review (TFMR), emphasizing the critical role of transition finance in achieving the UK's net zero targets and fostering economic growth. The TFMR, an independent review commissioned by the UK government, provides a framework to scale the transition finance market in the UK and globally. It highlights the UK's unique position to become a leading hub for transition finance, leveraging its financial and professional services sectors to accelerate the global transition. In its response, FCA has emphasised its recognition on the importance of transition capital in achieving net zero and the challenges that firms face in structuring such finance. The FCA has also provided recommendation for clear communication of the role of transition finance in its regulatory framework. The FCA is pledging to ensure that it

creates an ecosystem to support market participants in navigating the risks posed by the transition to a sustainable economy and exploiting the opportunities it presents. FCA has also underscored its commitment to supporting the growth of the transition finance market, facilitating the UK's decarbonization efforts, and promoting long-term investment in the UK economy.

Lessons learnt.

There is a need to research into transition finance and the role capital markets play in this regard. We shall commence research into this area as we seek to support the National Governments decarbonization plan.

2. FCA sets out next steps for establishing a bond consolidated tape

The Authority was tasked with setting up the requirements of consolidated tape providers in 2022 through a consultation response. The purpose of the bond consolidated tape is to systemize market data including prices and volumes correlated in the financial market. It is intended to give detailed information on transactions in a definite asset class, consolidating trades from various venues as well as those executed through over the counter (OTC). This is accomplished through a consolidated tape provider which collates the market data and then disperses the consolidated tape in a systematized electronic data feed to market participants. It lowers trading costs, gives investors the opportunity to have greater evaluation of their brokers' execution quality and enhances liquidity.

The Authority then established a framework for the consolidated tape which is governed primarily by Markets in Financial Instruments Directive II (MiFID II) among others. The framework includes having one consolidated tape provider per asset class who is chosen through a tender process. Using a single consolidated tape provider was found to effectively reduce cost while providing wide access. It also deals with issues of data quality. The consolidated tape data ought to be presented and dispersed in a regularized manner and should be availed in forms that can be read by people and machines to ensure that it is widely accessible and received.

Recently, the authority rendered a concession notice to any firms who are interested in becoming consolidated tape providers.

Lesson Learnt

The Authority keenly learns from this development and ought to consider looking into establishing a framework for bonds consolidated tape. This would protect investors as they will be able to access market data through a source that is standardized. It also enhances market integrity as it helps in price development through a concise, constant depiction of liquidity in markets. It also deepens the market as it covers the evolution and growth of the OTC market.

3. Financial Services Commission South Korea announced that a revision bill for the Enforcement Decree of the Financial Investment Services and Capital Markets Act (FSCMA)

The commission recently approved a bill to revamp their rules concerning corporate mergers and acquisitions. The changes were aimed at enhancing requirements on deducing merger prices when mergers and acquisitions happen between non-affiliated establishments, reinforcing disclosure responsibilities and upgrading requirements on eternal assessment processes.

The modified rules require companies to provide written statements that prove the board of directors' meetings concerning the merger and acquisition deal. This includes stipulations of the deal such as the objective of the deal, its foreseeable effect, dissenting views from any board member and merger rate and ratio, among others.

Previously, the Enforcement Decree provided regularized concise systems for computing merger costs for mergers and acquisitions for affiliated and non-affiliated entities. This rule however, created a hindrance for establishments that were looking to restructure on the premise of free concessions. Now, the revision bill withdrew the methodology for merger costs for non-affiliated companies. Its intended effect is to increase regulatory oversight and align with global standards.

The decree also provides that non- affiliated business going through a merger or acquisitions, are mandated to go through an external assessment audit procedure. Companies are required to get consent from their auditors or audit committees when appointing an external audit agency especially mergers between affiliated businesses. Moreover, the rules provide for a code of conduct concerning quality management for external assessment agencies. This is intended to assure the preservation of autonomy, impartiality, and neutrality in executing duties pertaining to mergers and acquisitions. It also manages conflicts of interest problems.

It also mandates that assessment results should be publicly divulged. It also curbs agencies from executing external assessments if they have been included in determining merger costs for said company.

Lesson Learnt

The Authority learns from the development and should benchmark against international practices concerning takeovers and mergers, including those of the Financial Securities Commission and other established regulators, to ensures it aligns with best practices. This can aid in attracting foreign investments by cultivating confidence in the fairness and transparency of Kenya's capital markets.

4. FSCA licenses Strate (Proprietary) Limited as a Trade Repository

The Authority bestowed Strate Limited a license to conduct business as a trade repository. This demonstrates the authority's endeavors to remain cognizant of the importance of a trade repository, which is vital in collating and managing trade records particularly over-the-counter transactions which are bilateral by nature.

This also cultivates transparency in the markets and helps financial regulators surveil any escalation of systemic risk and concentration which can adversely affect stability financially. This is also intended to greatly lower the systemic risk related to transacting OTC derivatives. This was prompted by the financial crisis 2008 which the group of twenty (G20) who ordained the use of trade repositories for derivative reputing to enhance transparency in the markets.

CMA Action Point

The Authority to consider including trade repository as a key license category to aid it to effectively surveil any systemic risk and to contribute to more robustious regulatory oversight over reporting for OTC securities trading.

5. SEBI Publishes a Circular on Disclosure of Expenses, Half Yearly Returns, Yield and Risk-of-Meter of Schemes of Mutual Funds.

The Securities and Exchange Board of India (SEBI) published Circular SEBI/HO/IMD/PoD1/CIR/P/2024/150 on November 5, 2024, which addresses enhanced disclosure requirements for mutual funds in India. The circular mandates that mutual funds, asset management companies, and other involved parties provide more transparent

information about scheme expenses, half-yearly returns, yield, and associated risks. The update primarily aims to standardize the disclosure practices across the industry, offering a clearer view for investors to understand mutual fund schemes. It also provides specific instructions for disclosing expenses and returns for both direct and regular plans separately, recognizing the differences in cost due to the absence of distribution fees in direct plans.

Additionally, the circular introduces a new, color-coded risk-o-meter to label mutual fund schemes according to their risk levels. The risk-o-meter will categorize mutual funds into six distinct levels, ranging from "Low Risk" (green) to "Very High Risk" (red), with corresponding color codes. This visual tool is designed to help investors quickly assess the risk profile of a fund. The new color scheme will be applied to all digital and printed promotional materials and disclosures, making it easier for investors to understand the level of risk they are undertaking when investing in a particular scheme.

The circular also establishes guidelines for how mutual funds should communicate any changes to the risk-o-meter. If there is an update in the risk level of a scheme, mutual funds must notify unitholders through various communication channels, including notices, emails, or SMS. Additionally, to enhance clarity, mutual funds must display both the previous and updated risk-o-meters in these communications. This comprehensive update aims to improve investor understanding, boost transparency, and ensure that risk-related information is presented in a standardized and accessible manner.

Key Lesson Learnt

The CMA Kenya can learn the importance of implementing clear and standardized disclosure practices, particularly in providing transparent information on fund expenses, returns, and risk profiles. By adopting similar practices, including visual aids like a color-coded risk-o-meter, the CMA can enhance investor understanding and confidence in the Kenyan capital markets.

IV. REGIONAL DEVELOPMENTS

1. FRA Egypt launches Arab African Estidama bonds worth about \$ 500 million

The Arab African International Bank recently launched a \$500 million sustainability bond, supported by investments from the International Finance Corporation (IFC), the European

Bank for Reconstruction and Development (EBRD), and the British International Investment Corporation. The funds raised are aimed at supporting Egypt's transition to a green economy, with a focus on environmental sustainability and the growth of small and medium-sized enterprises (SMEs). IFC invested \$605 million across various projects, including climate finance and sustainable tourism, with most of the bond proceeds allocated to green finance. The EBRD and the UK International Investment Corporation each contributed 50% of the remaining amount, supporting both green and financial assets.

The issuance of sustainability bonds marks a significant step in Egypt's financial sector, with the country having been a pioneer in the region by issuing its first sovereign green bonds in 2020. The bond issuance reflects Egypt's commitment to its Vision 2030 and the Paris Agreement on sustainable development. The Financial Regulatory Authority (FRA) has emphasized the importance of sustainability and green investments, encouraging the growth of bonds aimed at decarbonizing the economy. Furthermore, the FRA has mandated all listed companies under its supervision report on governance, environmental, and social issues. The regulatory body has also made proposals for amendments to capital market regulations to ensure clear classifications for different types of bonds, further supporting sustainability efforts beyond environmental concerns.

Lessons learnt

Through its development partners, FSD-K, the Authority will in this financial year develop an ESG Taxonomy for the capital markets to guide the issuance of climate finance capital markets products to tackle the environmental challenges we face.

2. FRA Announces Execution of a Transaction Involving the Sale of 350 Carbon Credits

The sale of 350 carbon credits marks a key milestone in Egypt's voluntary carbon market. This transaction occurred between the Egyptian insurance federation, acting as the buyer, and a carbon reduction initiative listed in the FRA's carbon reduction database. The deal was facilitated by a licensed brokerage firm, which helped manage the carbon credit trade. The launch of the regulated voluntary carbon market by the FRA has been a significant

development, with various transactions successfully completed, including sales of carbon credits to multiple buyers at varying prices.

The FRA's regulatory actions, aligned with the Egyptian government's strategy for promoting sustainable markets, have paved the way for these developments. This includes issuing a Prime Ministerial Decree to recognize carbon credits as financial instruments, creating a supervisory committee for carbon emissions, and establishing rules for listing and delisting carbon credits on exchanges. Additionally, the FRA has regulated the registration of verification bodies and endorsed trading and settlement rules for carbon credits. These efforts are in line with Egypt's broader commitment to sustainability and reducing its carbon footprint, as reflected in the COP27 declaration.

Lessons Learnt

The National Treasury and Economic Planning is coordinating a financial sectors regulators team reviewing a raft of carbon related legislative instruments together with the Ministry of Environment, Climate Change, and Forestry with a view of positioning Kenya to be a global carbon credits trading hub.

3. African Stock Markets Push for Removal of Firm Dominance Risk in Equity Trade
Africa's investment landscape faces several challenges, including political instability,
corruption, poor infrastructure, and regulatory uncertainty, which hinder the growth
potential of capital markets. The dominance of a few large firms in equity trading has also
created a concentration risk, limiting investor choices and market innovation. The African
Securities Association (ASEA) emphasizes the need for greater product diversification and
more small and medium-sized enterprises (SMEs) to list on stock markets to reduce the risks
associated with market dominance. By increasing the range of products available, ASEA
believes that Africa can encourage greater investment and innovation within its capital
markets.

Despite these challenges, there has been some positive movement in reducing market concentration. In Kenya, for example, a few companies account for a significant portion of market turnover, but the Capital Markets Authority (CMA) reports a positive trend towards a more diverse investment landscape. The 27th ASEA Conference discussed the importance of addressing issues like high trading costs, illiquid exchanges, and limited product offerings,

which have stifled market growth. Stakeholders at the conference also highlighted that innovation, particularly through digital platforms, fintech solutions, and alternative asset classes, is transforming capital markets and making them more accessible to a broader range of investors, from large institutions to individuals in remote areas.

Key Lesson

The Authority continues to undertake different initiatives like investor education and awareness to ensure market diversification and encourage more SMEs to list on the stock exchange. Reducing concentration risks and enhancing market accessibility through digital platforms and innovation remains a key tool in attracting both local and international investments.

V. LOCAL DEVELOPMENTS

1. CMA Grants Approval of Firms in Various License Categories

The Capital Markets Authority (CMA) of Kenya on November 26, 2024, granted approval to several firms across various licensing categories.

The firms include.

- i. AKN Investments Limited which is now securities dealers it will now be able to expand its advisory services to institutional advisors.
- ii. Moran Capital Management limited which was licensed as an investment advisers focusing on private equity, stock trading and unit trust, among others.
- iii. Entrust Advisory Limited was approved as an Investment Adviser License, focusing on equities trading, fixed income, and business expansion advisory.
- iv. Future Construkt Investment Managers Limited was granted a license as a REIT Manager to leverage its expertise in real estate advisory and development.
- v. Givva Wealthtech Limited was granted approval as an Intermediary Service Platform Provider, with a mission to foster financial inclusion through secure technological platforms offering licensed investment products.
- vi. CPF Financial Services was licensed both as a REIT Manager and Investment Adviser.

 Whereby the approval is aimed to enhance market participation and investments opportunities as they support the growth of the Kenya's Economic Growth.

- vii. Octagon Pension Services Limited has been granted approval to operate as Octagon Unit Trust Scheme, which comprises five sub-funds; Octagon Money Market Fund; Octagon Balanced Fund; Octagon Fixed Income Fund; Octagon Equity Fund; and Octagon USD Dollar Money Market Fund.
- viii. Trademax Global Markets (KE) Pty Ltd was granted approval to focus on with a nondealing online foreign exchange broker license.
- ix. The Authority granted a Money Manager License to Store Poa Enterprise Limited, who are seeking to leverage their expertise in technology to provide comprehensive online trading solutions for individuals and businesses.

Lesson learnt

These licenses are key to aligning the capital markets objectives with the national Government agenda of enhancing the savings to GDP ratio by offering Kenyans a broader range of investment opportunities in the capital markets offered by reputable players.

2. Morgan Stanley Adds Kenya Power, Two More Firms to Key Global Index

The addition of Bamburi cement, Kenya power & carbacid investments to the frontier markets small cap index brings the total number of the companies in the index to seven. Where all of them are listed at the Nairobi securities Exchange. The companies incorporated in the index include BAT, KenGen, Diamond Trust Bank Kenya, Kenya Reinsurance Corporation, Kenya Power and Lighting, Carbacid Investments and Bamburi Cement.

The changes took place after the market closed on November 25th, 2024. The addition of three more companies to the MSCI Frontier markets small cap index underscore the MSCI recognition of the huge potential growth of Kenya's listed equities. Frank Mwiti the CEO, NSE noted that increased representation will offer the global investment community greater exposure to Kenya's listed companies and drive significant capital inflows to NSE.

The upgrade of the companies comes after country's large capital gains in the recent months, where now Bamburi trades at Ksh. 66.00, an impressive 84.1% YTD. The company is owing 35.9% dividend yield to the special dividend from the sale of the Ugandan unit 2024/25. Kenya Power & Lighting is currently trading at Kshs. 4.76 below its book value of Kshs. 44.74

with is share price being 235.2%. The company grew its profits in 2024 owing ten folds to foreign exchange gains. According to recent financials, Carbacid's 33% investment since January is trading at Kshs. 19.95, with minor profit adjustments. The NSE All Share Index, which presently trades at 115.06 points, indicates a 24.9% YTD gain, with the NSE recovering losses from 2023.

MSCI offers indices and other decision-making tools to the worldwide financial community. Its most well-known indices include the Frontier Markets Index, the Emerging Markets Index, and the All-Country World Index. Kenya is among the countries represented in its Frontier Markets Index, which contains 213 firms from twenty-eight countries. MSCI restructures its components on a regular basis, in February, May, August, and November, adding or eliminating constituent businesses and altering their weightings. In the most recent review period, no Kenyan companies were removed or degraded. Safaricom currently has the largest weight, contributing for 41.5% of the MSCI Kenya Index, with Equity, KCB Group Co-op Bank, and EABL holding 29.4%, 17.8%, 5.9%, and 5.4%respectively.

Lessons learnt

This testifies to Kenya's growing stature as one of Africa's reputable investment jurisdictions. Global investors will now have a broader entity choice cementing our selling point as a diversified capital markets.

3. Nairobi Securities Exchange To Launch Options Derivatives Trading

The Authority approved NSE to establish options derivatives trading on its derivatives trading platform (NEXT).

NSE seeks to institute options contracts which accords buyer the right to buy or sell a specific asset at an anticipated price and date. Consequently, NSE investors will now trade options on subsisting future contracts for sole stocks and inscribes with strategies for various future financial derivatives. These contracts are intended to be settled by way of cash and will use the thriving framework of NSE Clear and will be reinforced by the clearing and trading infrastructure.

This development is anticipated to give investors an invigorated platform that promotes sufficient capital emplacement which provides refined tools for risk management. This will reinforce protection against prejudicial cost trajections in the contracts.

This will contribute enormously to the development of the derivatives market as it renders to investors ingenious financial products that are meant to suit their progressing needs.

4. CMA Approves Ziidi Money Market Fund from Safaricom PLC

The authority recently approved a collective investment scheme known as ziidi money market fund. It was established by Safaricom plc who took on Standard Investment Bank, Sanlam Investments East Africa Limited, and ALA Capital Limited as fund managers.

The fund is to be accessed through M-Pesa which makes it easy for its users to spur growth of their wealth via capital markets.

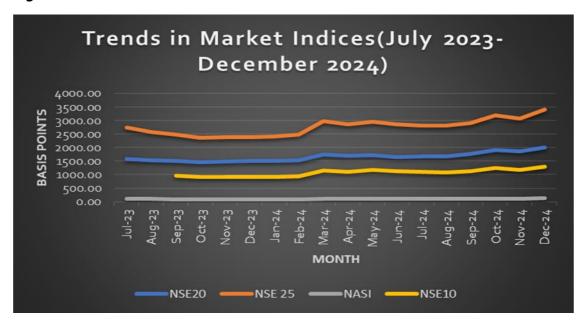
This is a welcomed development that contributes to the Authority's vision of having an inclusive capital market as it offers a great investment option for retail investors and contributes to the National Government's financial inclusion strategy.

Performance of the Domestic Capital Markets

The domestic capital markets have demonstrated remarkable resilience over the years, establishing itself as an attractive investment hub for both local and foreign investors. During the quarter, favorable macroeconomic conditions, coupled with political stability, played a pivotal role in sustaining market stability. Additionally, the diversity of market participants and the availability of a broad range of capital market products have ensured consistent investment opportunities, contributing to the sustained stability and vibrancy of the market.

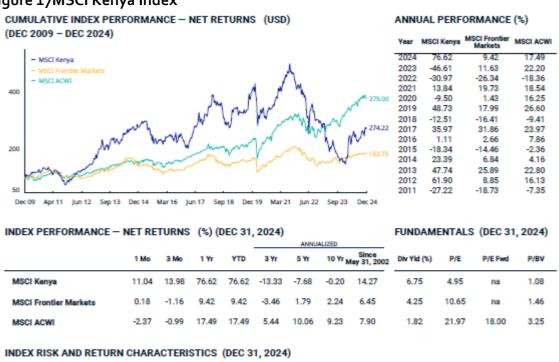
The four market indices NSE 20, NSE 25, NASI, and NSE 10 closed at 2,010.65, 3,402.80, 123.48, and 1,302.31 points, representing increases of 13.23%, 17.37%, 15.32%, and 15.79%, respectively, compared to the basis points recorded at the end of the third quarter of 2024. Additionally, the volume of shares traded during the quarter surged to 1,679,170,442, marking a significant increase from the 1,020,645,757 shares traded in Q3 2024. The improved equity market performance as reflected in the significant gains across key indices and a surge in trading volumes is attributed to increased investor confidence and market activity during the quarter.

Figure 16Trends of the Performance of the Market Indices



Source: CMA

Figure 17MSCI Kenya Index



		ANNUA	LIZED STD D	EV (%) 2		SHARPER	MTIO 2,3			MAXIMUM DRAWDOWN
	Turnover (%)	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since May 31, 2002	(%)	Period YYYY-MM-DD
MSCI Kenya	24.85	36.21	30.85	26.20	-0.34	-0.20	0.05	0.55	69.99	2021-08-17-2024-01-26
MSCI Frontier Markets	6.80	12.90	16.37	14.00	-0.52	0.04	0.10	0.35	67.47	2008-01-15-2009-03-03
MSCI ACWI	2.57	16.43	17.48	14.84	0.17	0.50	0.55	0.45	58.38	2007-10-31-2009-03-09
	Last 12 months	ths Based on monthly net returns data Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M p						on ICE LIBOR 1M prior that date		

Source: MSCI Kenya

The MSCI Kenya Index, which tracks the performance of large and mid-cap segments in Kenya's market, recorded a year-to-date gain of 76.62%. This growth has been driven by favorable investor sentiment and supportive macroeconomic factors.

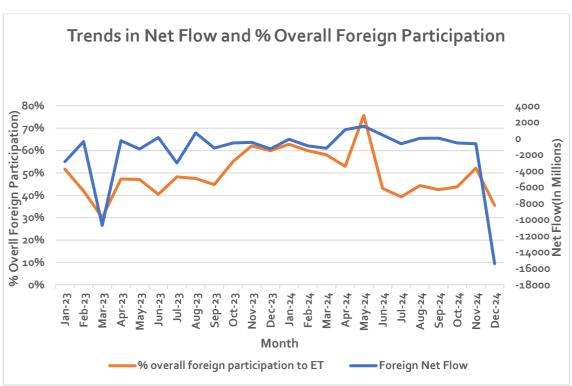


Figure 17Trends in Net Equity Portfolio Flow and Overall Foreign Participation (January 2023- December 2024)

During the quarter under review, a negative net equity portfolio outflow of Kshs 16.639 billion was recorded, a significant increase from the outflow of Kshs 628 million in the third quarter of 2024. Average foreign participation in the equity market rose from 42.07% to 43.83% over the same period. The capital outflow is primarily attributed to the spillover effects of political instability experienced in the country during the second quarter of 2024, which may have prompted foreign investors to exit the market.

The market concentration of the five blue-chip companies averaged 64.24%, down from 64.80% in the third quarter of 2024. This reduction in market concentration reflects investors' growing preference for diversifying their portfolios beyond the traditional blue-chip companies. As of December, the top 5 companies were Safaricom Plc, Equity Group Holdings Plc, East African Breweries Ltd, KCB Group Plc, and Standard Chartered Bank Kenya Ltd.

Figure 18Market Concentration (Top 5 companies by Market Cap)



Equity Performance (October 2024 – December 2024)

Table 5Equity Performance

Year	Month	Share Volume	Total Equity	NSE ₂₀	NASI	NSE 25	NSE ₁₀	Market
			Turnover (Ksh)	Share	Index	Share		Cap
				Index (Average)	(Average)	(Average)		(Kshs
				, ,,				Mn)
Q4.	Oct	382,173,500	4,941,302,101.26	1833.99	112.42	3059.60	1189.41	1840.97
2024	Nov	470,951,700	6,186,259,569.78	1906.01	113.99	3147.25	1216.15	1747.88
	Dec	826,045,242	28,947,519,667.64	1893.35	118.67	3228.64	1240.24	1939.74
	Total	1,679,170,442	40,075,081,338.68					
Q3.	July	294,388,175.00	5,016,484,045.10	1669.73	105.73	2806.48	1,093.91	1,651.83
2024	August	392,179,015	6,511,267,543.67	1678.21	103.67	2812.75	1,088.19	1,619.78
	Septe	334,078,567	5,019,395,030.00	1775.67	107.08	2899.2	1,124.72	1,676.24
	mber							
	Total	1,020,645,757	16,547,146,618.77					

Treasury Bond Market Treasury bond performance (October 2024 – December 2024)

Table 6Treasury Bond Performance

Date	Bond	Amount	Amount	Amount	% AA/AI	% AR/AI
		Issued	Received	Accepted		
		(Kshs	(Kshs Bn)	(Kshs Bn)		
		Bn)				
Oct -24	FXD1/2016/10	30.00	36.62	28.03	93.42	122.05
	FXD1/2022/10		14.35	3.25	10.84	47.83
	FXD1/2022/10	15.00	16.50	15.09	100.62	109.98
Nov -24	FXD1/2023/10	25.00	16.33	10.29	41.14	65.32
	FXD1/2022/15		16.72	15.40	61.59	66.8 ₇
	FXD1/2024/10	20.00	20.00	55.58	30.52	54.91
Dec-24	FXD1/2023/10	25.00	47.40	34.92	139.69	189.58
	FXD1/2018/20		23.92	18.49	73-95	95.69
	FXD1/2024/10	20.00	53.63	43-45	217.24	268.14
SUM		125.00	245.47	224.5		
Jul 24	Tap sale	20	0.4875	o.48648	2.43	2.43
	(FXD1/2023/002)					
	FXD1/2024/010	30	7.07	6.752.15	22.50	23.57
	FXD1/2008/020		7.61	3.014	10.03	25.37
Aug 24	IFB1/2023/6.5	50	96.86	74.18	148.36	193.72
	IFB1/2023/17		29.46	14.53	29.06	58.92
Sept 24	TAP sale IFB1-2023-17	15	35.19	32.02	213.47	234.60
	FXD1/2024/010	30	13.40	11.57	38.57	44.67
	FXD1/2016/020		9.25	9.25	9.25	9.25
SUM		145	199.33	150.26		

The government intended to collect Ksh. 125 billion from the market. Bids valued at

Ksh.245.47 billion were received, with the government only accepting bids worth Ksh. 224.5billion. A total of nine (9) bonds were issued during the quarter.

Corporate Bonds Market

The double-digit returns offered on government paper continue to depress corporate bond issues as corporates struggle to offer competing returns in the current difficult global and local macroeconomic context. As a result, no corporate bonds were traded during the quarter.

Collective Investment Schemes

Assets under management have grown steadily from Kshs. 56.6 billion on March 31, 2018, to Kshs. 316 billion on September30, 2024. The graph below represents the growth of the 6 years. The number of investors in the various CIS Funds has continued to grow steadily over time, buoyed by increasing awareness in the market to save and invest especially, post covid era. As of September 30, 2024, there were a total of 1,299,300 investors, this represents 7% increase from 1,211,124 investors in June 2024.

Figure 19CIS Assets Under Management



Source: CMA

CAPITAL MARKETS STABILITY SOUNDNESS INDICATORS FOR THE PERIOD 1 October - 31 December 2024

Table 7Capital Markets Stability Indicators October 01- December 31, 2024

Stability	Quarter/Year	Market Statis	tics			Assessment of	Performance	Ongoing Intervention
Indicator						Risk Level	Brief for the	Measures
							Quarter	
1.0 Equity	Market Depth							
NSE 20 Index	Q4 2024	Oct	Nov	Dec	Q. Avg	Low	The volatility	The market volatility
Volatility Base		0.42%	0.58%	0.57%	(Indicative –	for the three	for the three market	
Year =	Q3. 2024	Jul	Aug	Sept	Q. Avg	Low < 1%; Medium.	indices, NSE I 20, NSE I 25, and NASI : was 0.57%, i	indices, NSE20, NSE25, and NASI
2010		0.52%	0.57%	0.48%	0.52%	1%; High >10%)		remained low, below
	Q2. 2024	Apr	May	Jun	Q. Avg			1%. All indices increased compared to
		0.36%	0.69%	0.58%	0.54%			Q3. 2024. The improved
	Q1. 2024	Jan	Feb	Mar	Q. Avg		0.50%,	performance across the
		0.38%	0.33%	0.73%	0.48%		respectively	three indices is driven
NSE	Q4. 2024	Oct	Nov	Dec	Q. Avg	Low		by heightened participation in the
25 Index		0.47%	0.30%	o.68%	0.54%	(Indicative –		capital markets from
Volatility Base	Q3. 2024	Jul	Aug	Sept	Q. Avg	Low < 1% Medium:	Y	both retail and
Year = 2015		0.40%	0.57%	0.52%	0.50%	>1%		institutional investors despite increased
	Q2. 2024	Apr	May	June	Q. Avg	high; >10%)		foreign capital outflow.
		0.63%	0.77%	0.63%	o.68%			In the fiscal year 2024/25, the Authority

	Q1. 2024	Jan	Feb	Mar	Q. Avg			shall be progressing to
		0.47%	0.38%	o.85%	o.56%			the National Treasury and Economic
								Planning the margin
NASI Volatility Base	Q4. 2024	Oct	Nov	Dec	Q. Avg	Low (Indicative –		trading regulations
Year =		0.58%	0.32%	0.61%	0.50%	Low		aimed at improving
2010	Q3 2024	Jul	Aug	Sept	Q. Avg	< 1% Medium: >1%	dium:	market volatility and supporting the
		0.43%	0.52%	0.49%	0.48%	high; >10%)		industry wide product
	Q2. 2024	Apr	May	Jun	Q. Avg			uptake initiatives such
		0.67%	0.75%	0.54%	0.65%			as day trading.
	Q1.2024	Jan	Feb	Mar	Q. Avg			
		0.47%	0.45%	1.04%	0.65%			
Equities		Oct	Nov	Dec	Q. Sum	Low	Low The recorded turnover for annual: Q4 2024 was	Equities' turnover on
Turnover Ratio		0.27%	0.35%	1.49%	2.11%	·		the Nairobi Securities Exchange (NSE) increased from 1.05%
	Q3 2024	Jul	Aug	Sept	Q. Sum	<8%- Low; >15%	2.11% an increase	
		0.35%	0.40%	0.30%	1.05%	High)	from 1.05%	to 2.11% during the
	Q2. 2024	Apr	May	June	Q. Sum		recorded in Q3. 2024.	quarter. Increased activity in the equity
		0.44%	0.91%	0.29%	1.64%		·	market by local retail
	Q1. 2024	Jan	Feb	Mar	Q. Sum			and institutional investors has
		0.19%	0.32%	0.64%	1.15%			extensively compensated for the reduced foreign activity in the equity market.

								Initiatives such as day trading, and margin trading together with necessary trading incentives/concessions will remain critical in enhancing domestic investor activity at the Nairobi bourse hence boosting equities turnover.
	n Exposure Risk							
Percentage (%) overall	Q4. 2024	Oct	Nov	Dec	Q. Avg	Low (Indicative -	Foreign - investor	In Q4 2024, foreign
Foreign		43.78%	52.21%	35.49%	43.83%	annual: partic	participation	investor turnover averaged
participation to Total	Q3. 2024	Jul	Aug	Sept	Q. Avg	-	<40%- at end of the	43.83 %, an increase
to Total Equity		39.29%	44.40%	42.51%	42.07%		Q4,2024, Averaged a t	from 42.07% registered in Q3.2024.
Turnover	Q2. 2024	Apr	May	Jun	Q. Avg		43.83% an	Foreign investors
		52.99%	75.76%	43.12%	57.29%		increase	slightly dominate trading at the Nairobi
	Q1. 2024	Jan	Feb	Mar	Q. Avg		from Q3 2024 at	Bourse. The net
		62.84%	59-97%	58.12%	60.31%		42.07%	foreign equity portfolio outflow increased to 16639.15
	Q4. 2024	Oct	Nov	Dec	Q. Avg	High	In the quarter	million in Q4. 2024
		(569.99)	(667.77)	(15401.39)	(16639.15)	(Indicative	under review,	from 627.76 million recorded in Q3. 2024.

Net Foreign	Q3 2024	Jul	Aug	Sept	Q. Avg	– annual:		At above Ksh 50
Portfolio Flow (Ksh Million)		(655.11)	(1.65)	29.00	(627.76)	<kshs (50million)</kshs 		million, outflows are considered high. Such
	Q2. 2024	Apr	Мау	Jun	Q. Sum	- High (outflow.	-	Outflows poses an
		1,063	1,495	419	2,978	>Kshs. 50		ongoing risk to our
	Q1. 2024	Jan	Feb	Mar	Q. Sum	million High		market, highlighting
	-	(107)	(918)	(1,203)	(2,228)		compared to	,
		(10/)	(910)	(1,203)	(2,220)		an outflow of	
							aimed at bolstering	
							•	trading activities at the Nairobi Securities
								Exchange. Such
							•	initiatives include the
							•	implementation of daily
								trading strategies and
								the reduction of
								investment barriers for
								foreign investors.
								These measures are
								intended to stimulate
								market liquidity and
								attract foreign investment, thereby
								fostering a more
								vibrant and resilient
								marketplace.
								'

Market	Q4. 2024	Oct	Nov	Dec	Q. Avg	High	Market	Over the past year,
Concentration		65.20%	63.69%	63.84%	64.24%	(Indicative – annual: >50%	concentration	there has been a
(Top 5	Q3 2024	July	August	September	Q. Avg	High	for the top 5 companies	continuous reduction in market
companies by	-	65.94%	64.04%	64.41%	64.80%	_	for the	concentration by five
market cap)	Q2. 2024	Apr	May	Jun	Q. Avg	Concentration)	quarter	specific companies,
,	Q2. 2024	-	-		66.62%		ended	indicating a growing
		65.57%	67.66%	66.62%			December	openness among
	Q1. 2024	Jan	Feb	Mar	Q. Avg		2024	investors to explore
		62.62%	62.86%	66.30%	63.93%		averaged at 64.24%.	opportunities beyond these select entities.
							04.2470.	these select entitles.
								Despite this positive
								trend, market
								concentration remains
								a significant risk. To
								mitigate this risk, the
								Authority reviewed
								Public Offers Listing
								and Disclosure
								Regulation to establish
								more favorable listing
								requirements that
								attract a broader range
								of companies to list on
								the market, thereby
								providing investors
								with a wider variety of
								investment choices.
								Furthermore, the
								Authority is
								actively

	engaged in investor
	education efforts,
	emphasizing the
	importance of
	diversification and
	promoting long-term
	investing strategies.
	By empowering
	investors
	with
	knowledge and
	information to make
	informed investment
	decisions, the aim is to
	reduce the inclination
	to concentrate
	investments in a
	limited number of
	dominant companies.
	Through these
	measures, the
	Authority seeks to
	foster a more diverse
	and dynamic market
	environment, ensuring
	investors have access
	to a broader range of
	investment
	opportunities and
	reducing the
	risks associated

									with excessive market concentration.
Total Volume (No. of	No of Cont	racts*					% Change Q4 Vs Q3	Low	The volume of contracts traded in
contracts)	ABSA	Q3. Sum	Oct-24	Nov-24	Dec-24	Q4. Sum	-		Q4.2024 was 1565
	BATK	35	-	-	-	-	-		translating to a 11.68%
	EABL	180	248	10	4	262	45.56%		Decrease from 1,772 contracts recorded in
	EQTY	315	248	28	29	305	3.17%		Q3. 2024.
	KCBG	482	28	132	160	320	33.61%		a 5. 2024.
	N25I	0	-	-	-	-	-		
	SCOM	419	207	234	160	601	43.44%		
	COOP	304	9	-	7	16	94.74%		
	NCBA	20	13	9	10	32	60.00%		
	IHMP	2	8	1	1 10 19 850.00%				
	SCBK	1	-	-	-	-	-		
	25MN	14	-	-	-	-	-		
-	Total	1772	765	415	385	1,565	11.68%		

Gross	Amount in K	(shs*						High (indicative		The total value (Gross
Notional		Q3.Sum	Oct-24	Nov-24	Dec-24	Q4. Sum	%Change Q4 Vs Q3	annual:		Exposure) of contracts traded during the
Exposure (GNE)	ABSA		60,500	15,500	81,360	157,360	-	>50% High		quarter came up to Ksh 43.081 million; a 4.81%
(GIVL)	BATK	1,237,450.00	-	-	-	-	-	concentration)		decrease from
	EABL	2,716,500.00	4,194,100	192,000	72,920	4,459,020	64.15%			Q3.2024.
	EQTY	13,241,010.0 0	11,476,140	1,314,470	1,344,420	14,135,030	6.75%			
	KCBG	16,415,550.0 0	1,050,950	5,176,850	6,293,620	12,521,420	23.72%			
	N25I		-	-	-	-	-			
	SCOM	6,425,050.00	3,342,100	3,585,500	2,692,140	9,619,740	49.72%			
	СООР	3,905,260.00	130,100	-	97,430	227,530	94.17%			
	NCBA	849,400.00	557,600	389,400	453,680	1,400,680	64.90%			
	IHMP	46,500.00	216,330	29,200	315,340	560,870	11.06%			
	SCBK	20,710.00	-	-	-	-	-			
	25MN	402,990.00	-	-	-	-				
	Total	45,260,420.0 0	21,027,820	10,702,920	11,350,910	43,081,650	4.81%			

Total Open
Interest (No.
of
Contracts)

	Q ₃ . Sum	Oct-24	Nov-24	Dec-24	Q4. Average	%ChangeQ4 Vs Q3
ABSA	-	-	1	-	1	-
BATK	5	-	-	-	-	-
EABL	45	10	-	-	10	77.78%
EQTY	52	16	10	23	16	69.23%
KCBG	177	144	211	165	173	2.26%
N25l	-	-	-	-	-	_
SCOM	128	207	145	14	122	4.69%
СООР	12	7	7	-	7	41.67%
SCBK	1	-	-	-	-	-
IMHP	1	2	3	5	3	200.00%
NCBA	2	18	10	4	11	450.00%
25MN	5	-	-	-	-	-
Total	389	404	387	211	344	11.57%

Medium (Indicative – annual: ->50% High concentration) Overall, the total average number of open interest contracts recorded in Q4 2024 were 344. a 11.57% decrease from Q3.2024 value of 389.

As for hedging instruments, the place of derivatives markets in the face of economic uncertainty remains important in risk management.

With the increasing profile of risks in the macro- economy, the profile of derivative instruments may grow

Settlement Guarantee Fund (SGF) Coverage for Derivatives		July-24	Aug-24	Sep-24			*High (Indicative –	The SGF coverage	To maximize valu
	SGF	130,277,363		133,540,2	253		annua I:	ratio for the	balances, there
	Average Market Value 574,366 264,246 642,115 SGF Coverage 227 times 499 times 208 times				>50% High concentrate ion	derivatives market in Q ₃ 2024 was	deliberate effort b NSE to encourag increased activity b		
								sufficient during the period.	market intermediarie in this market for increased volumes of
								p o	trade.
	ment Bond Market Expos							·	trade.
Treasury Bond market	ment Bond Market Expos Q4. 2024	Oct	Nov 100%		Dec 100%	Q. Avg	High (Indicative –	In Q4.2024, Treasury	Government activity the bonds marke
Treasury Bond market turnover		Oct 100% July	100% August			100% Q. Avg	_	In Q4.2024,	
Treasury Bond market turnover	Q4. 2024 Q3 2024	Oct 100% July 100%	100% August 100%		100% September 100%	100% Q. Avg 100%	(Indicative – annual:	In Q4.2024, Treasury Bond market	Government activity the bonds marke continues to dominat as the Government targets domestic
Treasury Bond market turnover	Ω4. 2024	Oct 100% July	100% August		100% September	100% Q. Avg	(Indicative – annual:	In Q4.2024, Treasury Bond market turnover was	Government activity the bonds market continues to domina as the Governme targets domestic market savings to fur various Governme
5.0 Govern Treasury Bond market turnover Concentration	Q4. 2024 Q3 2024	Oct 100% July 100% Apr	100% August 100% May		100% September 100% Jun	100% Q. Avg 100% Q. Avg	(Indicative – annual:	In Q4.2024, Treasury Bond market turnover was	Government activity the bonds marke continues to domina as the Governme

Corporate
Bond
Market
ownershin

		 	0.4
EC	1	122,000,000	0.47%
El	1	10,000,000	0.04%
FC	5	57 ⁸ ,794,223	2.24%
FI	23	210,200,000	0.82%
LC	613	23,340,285,095	90.50%
LI	773	1,529,531,532	5.93%

Data as of 30 September 2024

Note: For every EAC, LI, and FI, the total calculated is a sum of both corporate and individual investors.

High (Indicative

annual:
>50%
High
concentration

In the quarter under review Local investors constituted the greatest share in investment followed by foreian corporates East with Africa Investors constituting least the Number of investors.

In Q₃ share

Kenya has been facing a period of reduced corporate bond activity in the last one vear. The Authority, through its investor education and market deepening functions, profiled has retail investors to increase activity within the domestic corporate bond market.

6.0 Investor Profiles - Equity Market

Equity Market

Account Type	Number of Investors	Share Quantity	% By Share Quantity
BR	6.0	11,759,798.0	o%
EC	256.0	1,263,063,825.0	1%
El	7,138.0	113,024,154.0	о%
FC	400.0	16,143,030,653.0	16%
FI	8,120.0	677,292,782.0	1%
JR	186.0	1,384,538.0	о%
LC	40,949.0	37,762,342,796.0	37%

- annual:
>50%
High
concentration

45,159 billion
which was
45 % of the
total share
quantity.

High (Indicative

While the proportion of local investors is higher than foreign investors, the share quantity held by each investor on a per capita basis remains low.

The industry investor awareness and education strategy will be targeted at

	Ц		1	1,245,551.0	45,159,095,402	2.0	45%			increasing retai investor participation through more roadshows, caravans and county engagements.
7.0 Settlement (Compensation Cove	erage								
Settlement Q4. 2024 Guarantee		Oct	Nov	De		Q. Avg		(Indicative— annual: > 1	The settlement	Through Risk-based supervision, the
Fund (*Data to be		6.14	4.73	0.9	0.97			times, implies full	Guarantee Fund (SGF)	Authority has been monitoring the SGF
updated)	Q3.2024	Jul	Aug		ot	Q. Avg		coverage	ratio for the quarter under review	figures. The fund remains adequate to guarantee settlement
		5.52	4.81		2	5.45				
	Q2. 2024	Apr	May	Jun		Q. Avg 3.62			was 3.95	failure.
		3.75	1.81	5.3)					
	Q1. 2024	Jan	Feb		r	Q. Avg				
		11.03	6.20	2.4	5	6.56				
	ase of Fund Manag									
Working Capital (Amount in Kshs Millions) *		Ar	nount in Kshs Millions				(Indicativ	Medium (Indicative –the	The net assets base of	Capital markets licensees' net asset
		Total Assets	Total Liabilities	Net Assets December 2024	Net Assets Septembe r 2024	%		higher the figure, the more stable is the market	fund Managers, Investment Adviser, Investment	increased betweer September and December 2024 fo Fund Managers, Online
	Fund Managers	10,149	2,656	8,518	6,468	32%		Banks, Online Forex, and Stockbrokers,	Forex Brokers Stockbrokers and investment advise	
	Investment Advisers	568	129	483	438	10%			as of	while it decreased for Investment banks.

Investment						December
Banks	11,501	4,493	7,694	7,989	4%	2024
Online Forex Brokers	3,873	2176	1,697	1,683	1%	was Kshs 8,518M, 483M,
Stockbrokers	2,921	1,498	1,44 9	974	40%	7,694M 1697M and
						1, 449 M re4spectively.