Banco do Brasil (BBAS3) | 1Q25 Results Disappoint as New Provisioning Rule Amplifies Agribusiness Losses



May 16, 2025

In 1Q25, Banco do Brasil reported a recurring **net income** of **R\$ 7.4 billion**, **substantially below expectations** – **20% lower than the market consensus** and **17% below our estimates** – just a few months after releasing its 2025 guidance. This represents a **sharp decline** of **-23.0% QoQ** and **-20.7% YoY**. The **ROE fell to 15.8%** (-4.5 pp QoQ and -5.4 pp YoY), marking its **lowest level since 2021**.

The weaker-than-expected performance was driven by **three main factors**:

(i) Agribusiness: persistently high delinquency in the segment, which reached **3.04%** (+0.6 pp QoQ; +1.9 pp YoY), mainly driven by certain soybean and corn producers;

(ii) New Regulation (Resolution No. 4,966): required a substantial increase in provisions for expected losses, including for performing loans, thereby **amplifying** and **accelerating** the effects of the **credit cycle**;

(iii) Net Interest Income (NII): interest income was negatively affected by a mismatch between fixed-rate assets and floating-rate liabilities, aggravated by high interest rates.
Additionally, the accounting change introduced by Resolution 4,966 reduced NII by approximately R\$ 1 billion, as it now requires revenues from Stage 3 loans to be recognized on a cash basis instead of accrual basis.

Given the **increasingly challenging and uncertain agribusiness outlook**, we see potential for **further deterioration in results throughout 2025** — particularly in light of the anticipated worsening of the delinquency cycle in specific portfolios during the second half of the year, continued **pressure on agribusiness asset quality**, and **growing difficulty** in sustaining **revenue growth**.

In this context, we **downgrade our recommendation from BUY to HOLD**. We also **lower** our **target price** from **R\$ 40.30** to **R\$ 31.40**, which implies an **upside of 6.8%**.

Banco do Brasil (BBAS3 BZ Equity)

Recommendation: HOLD

Equity Value (R\$ mn): 179.953

Outstanding Shares (mn): 5.731

Target Price 12M: R\$ 31,40

Current Price (R\$): 29,40

Upside: 6,80%



Financials Team:

Eduardo Nishio eduardo.nishio@genial.com.vc

Luis Degaspari luis.degaspari@genial.com.vc

Nina Mirazon nina.mirazon@genial.com.vc

Figure 1: Guidance Under Review: Outlook for BB Has Deteriorated

Guidance 2025 (R\$bn)	Range	Observed		
Loan Portfolio	5,5% to 9,5%	12,5%		
Individuals	7% to 11%	6,6%		
Corporate	4% to 8%	22,6%		
Agribusiness	5% to 9%	9,0%		
Sustainable Portfolio	7% to 11%	9,6%		
Net Interest Income	Under Review	R\$ 23,9		
Cost of Credit	Under Review	R\$ 10,2		
Fee Income	R\$ 34,5b to R\$ 36,5b	R\$ 8,4		
Administrative Expenses	R\$ 38,5b to R\$ 40,0b	R\$ 9,5		
Adjusted Net Income	Under Review	R\$ 7,4		
Source: Banco do Brasil and Genial				

Guidance Left Under Review

In light of the weaker-than-expected performance and **low visibility surrounding the current agricultural cycle**, Banco do Brasil announced the **revision** of a significant portion of its **guidance**, covering projections for **net interest income (NII)**, **cost of credit**, and consequently, **adjusted net income**. Unlike previous updates, the bank **did not provide new numerical parameters**, opting to leave these variables open until a reassessment scheduled for 2Q25 — which will depend on **delinquency stabilization in agribusiness**, potentially supported by the harvest during the quarter.

Cost of Credit Under Review

This revision is negative and largely reflects the impacts of **Resolution No. 4,966**, which introduced the expected loss model for provisioning. As a result, portfolios **more sensitive to the current credit cycle** – such as agribusiness and micro and small enterprises (SMEs) – experienced a **sharp increase in provisions**. In the case of agribusiness, elevated delinquency caused the **provision flow to jump from R\$ 3.0 billion in 4Q24 to R\$ 5.2 billion in 1Q25**, significantly pressuring the quarter's credit cost. Given the **persistent deterioration in agribusiness** and the **large exposure to the agricultural portfolio** (R\$ 406 billion), the bank opted to **revise its consolidated credit cost guidance**.

Net Interest Income Under Review

The sharp contraction in **Net Interest Income (NII)** also prompted the revision of this line in the guidance. The decline was driven by three main factors:

(i) the high interest rate environment, which increased the bank's funding costs;

(ii) the effects of Resolution No. 4,966, which reduced NII by around **R\$ 1 billion** due to the requirement that revenues from Stage 3 operations be recognized on a cash basis instead of an accrual basis; and

(iii) weaker treasury performance at Banco Patagonia, which totaled R\$ 1.3 billion in the quarter (-15.4% QoQ; -57.4% YoY), reflecting the normalization of operations following recent macroeconomic adjustments in Argentina.

On a slightly more positive note, the bank's CET1 ratio rose by +0.08 pp QoQ to 10.97%, approaching its internal target of 11%. The improvement was driven by organic capital generation and favorable effects from mark-to-market adjustments, exchange rate variation, and equity adjustments, which offset the negative impacts from Resolution No. 4,966 (-0.27 pp) and the increase in risk-weighted assets (RWA) (-0.04 pp).

However, given the more **challenging and uncertain outlook**, we see potential for **further deterioration in results throughout 2025** — especially considering the expected worsening of the delinquency cycle in certain portfolios during 2H25, **persistent pressures on agribusiness asset quality**, and increasing **difficulty in driving revenue growth**. In this context, we **downgrade our recommendation from BUY to HOLD**. We also **lower our target price** from **R\$ 40.30** to **R\$ 31.40**, which implies an **upside of 6.8%**. Our target price assumes: a **sustainable ROE**

of 16.5%, a cost of equity (Ke) of 18.05%, and a growth rate (g) of 7.0%.

Despite the **attractive valuation** — with the stock trading at **0.89x P/BV 2024**, **4.2x P/E 2025e**, and **3.8x P/E 2026e** — we adopt a **more cautious stance at this point in the rural credit cycle**.

Figure 2: Banco do Brasil | 1Q25 Results: Elevated Delinquency and Heavy Provisions Weigh on Egrnings

Review (R\$m)	1Q25E	1Q25	4Q24	1Q24	Vs Est	QoQ	ΥοΥ
Net Income	8.903	6.772	8.77 3	<mark>8.78</mark> 2	-23,9%	-22 <mark>,8</mark> %	-22,9%
Recurring Net Income	8.903	7.374	9.580	9.300	-17,2%	-23,0%	-20,7%
Income Statement Summary							
Net Interest Income (NII)	25.684	23.881	26.791	25.734	-7,0%	-10,9%	-7,2%
Financial Income from Credit Operations	38.055	39.747	37.102	34.299	4,4%	7,1%	15,9%
Treasury Result	10.743	9.491	11.791	11.962	-11,6%	-19,5%	-20,7%
Commercial Funding Expenses	(19.480)	(21.089)	(18.384)	(17.285)	8,3%	14,7%	22,0%
Institutional Funding Expenses	(3.634)	(4.268)	(3.719)	(3.241)	17 <mark>,</mark> 5%	14,8%	31,7%
Fee Income	8.739	<mark>8</mark> .361	9.192	8.344	-4,3%	-9,0%	0,2%
Other Revenues/Expenses	(958)	(755)	(962)	(1.065)	-21,2%	-21,5%	-29,1%
Total Revenue	33.465	31.488	35.021	33.013	-5,9%	-10,1%	-4,6%
Personnel Expenses	(7.092)	(7.259)	(7.500)	(7.063)	2,4%	-3,2%	2,8%
Other Administrative Expenses	(6.927)	(7.309)	(7.700)	(6.644)	5,5%	-5,1%	10,0%
Total Administrative Expenses	(14.019)	(14.568)	(15.199)	(13.707)	3,9%	-4,2%	6,3%
Operating Income	19.446	16.920	19.821	19.306	-13,0%	-14,6%	-12,4%
Cost of Credit	(10.060)	(10.152)	(9.263)	(8.541)	0,9%	9,6%	18,9%
Provision Expenses	(12.452)	(11.440)	(11.190)	(10.532)	-8,1%	2,2%	<mark>8,6</mark> %
Credit Recoveries	2.392	1.289	1.927	1.991	-46,1%	-33,1%	-35,3%
Non-operational Results	75	39	<mark>8</mark> 0	48	-47,9%	-51,3%	-17,9%
Subsidiaries	1.934	1.761	2.059	1.842	-8,9%	-14,5%	-4,4%
Pre-Tax Income	11.395	8.568	12.698	12.655	-24,8%	-32,5%	-32,3%
Income Tax	1.593	425	2.249	2.379	-73,3%	-81,1%	-82,1%
Tax Rate	-14%	-5%	-18%	-19%	9,0pp	12,8pp	13,8pp
Minorities	900	770	<mark>8</mark> 69	976	-14,5%	-11,5%	-21,1%
Balance Sheet Summary							
Expanded Loan Portfolio	1.305.396	1.277.799	1.278.421	1.138.094	-2,1%	0,0%	12,3%
Bacen Loan Portfolio	1.123.839	1.103.534	1.100.641	1.002.375	-1,8%	0,3%	10,1%
Deposits	917.941	864.972	898.994	822.101	-5,8%	-3,8%	5,2%
Shareholder's Equity	192.441	184.189	190.072	179.021	-4,3%	-3,1%	2,9%
Profitability							
Net Interest Margin (NIM)		4 <mark>,</mark> 5%	5,3%	5,2%	4 , 49 p.p	-0,76 p.p	-0,68 p.p
Return on Equity (ROE)	18,6%	15,8%	20,3%	21,1%	-2,86 p.p	-4,54 p.p	-5,37 p.p
Operational Efficiency Index	41,9%	46,3%	43,4%	41,5%	4,37 p.p	2,86 p.p	4,75 p.p
Provision / Total Portfolio	3,6%	3,7%	3,4%	3 <mark>,</mark> 5%	0,07 p.p	0,24 p.p	0,23 p.p
Return on Assets (ROA)	1,4%	1,2%	1,6%	1,7%	-0,23 p.p	-0,35 p.p	-0,45 p.p
Asset Quality							
Delinquency (>90 days)	3,5%	3,9%	3,3%	2,9%	0,34 p.p	0,54 p.p	0,96 p.p
NPL Formation (R\$m)	13.124	14.279	11.320	9.533	8,8%	26,1%	49,8%
Provision Reserves / Overdue Loans (90 days)	158,1%	184,8%	171,3%	196 <mark>,</mark> 0%	26,73 p.p	13,53 p.p	-11,17 p.p
Leverage							
Tier 1 Capital Ratio	12,6%	13,3%	12,7%	13 <mark>,</mark> 9%	0,69 p.p	0,61 p.p	-0,62 p.p
Basel Ratio	13,6%	14,1%	13 <mark>,</mark> 8%	15,1%	0,49 p.p	0,38 p.p	- <mark>0,</mark> 99 p.p
Core Capital Ratio	11,6%	11,0%	10,9%	11,9%	-0,63 p.p	0,08 p.p	-0,93 p.p

analisa.genialinvestimentos.com.br

Quarterly Highlights

Loan Portfolio: Solid Growth Across All Fronts

Banco do Brasil's **expanded loan portfolio** reached **R\$ 1.28 trillion** in **1Q25**, up by **+1.1% QoQ** and **+14.4% YoY**. The annual growth was supported by **positive performance across all business segments**, with highlights in corporate and agribusiness lending.

Individuals. The retail portfolio totaled R\$ 336 billion (+1.2% QoQ; +6.6% YoY), driven by strong performance in Unsecured Personal Loans (+4.2% QoQ) and Overdrafts (+13.2% QoQ). On a yearly basis, Overdrafts grew +11.3% YoY, while Debt Consolidation Loans rose +18.4% YoY. In contrast, Auto Financing continued to decline (-10.4% QoQ; -19.6% YoY), reflecting the bank's lower risk appetite for this product.

Corporate. The corporate portfolio grew **+1.6% QoQ** and **+22.4% YoY**, reaching **R\$ 460 billion**. Growth was driven by **Real Estate Lending** (+6.8% QoQ) and **Private Securities & Guarantees** (+13.3% QoQ). On an annual basis, highlights included **Receivables** (+17.0%), **Investment Loans** (+17.3%), and **Private Securities & Guarantees** (+90.4%). On the other hand, **Credit Card Lending declined -6.2% QoQ** and **-36.2% YoY**.

Agribusiness. The agribusiness portfolio was up by **+2.1% QoQ** and **+9.0% YoY**, with solid performance in **Working Capital Loans** (+3.6% QoQ), **Investment Lines** (+3.4% QoQ), and **BNDES/Finame Rural** (+19.1% QoQ). Year-over-year growth was led by **BNDES/Finame Rural** (+82.5%) and **Industrialization Lines** (+50.0%).

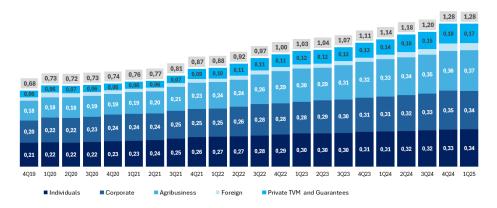


Figure 3: Expanded Loan Portfolio: +1.1% QoQ and +14.4% YoY, with broadbased growth across business lines

Source: Banco do Brasil and Genial

Net Interest Income (NII): Higher Funding Costs and Revenue Pressured by Resolution 4,966

Net Interest Income (NII) totaled R\$ 23.9 billion in 1Q25, a decline of -10.9% QoQ and -7.2% YoY. The performance was mainly pressured by a **mismatch between** assets, mostly fixed-rate, and liabilities, mostly floating-rate, which reflect the impact of the **increase in the Selic rate** (+3 pp QoQ) and the **Referential Rate (TR)** (+0.17 pp QoQ) during the period.

Although Banco do Brasil has a balance sheet structure that naturally hedges against interest rate fluctuations, **sharp upward moves in rates tend to create temporary asymmetries**, negatively impacting financial margins.

Additionally, the quarter's NII was impacted by the adoption of **Resolution No. 4,966**. The main negative effect came from the **non-recognition of interest income from Stage 3 loans**, even for compliant customers (*negative impact of ~R\$ 1 billion*). On the other hand, there was a positive impact from the **extension of the accrual period for interest on delinquent loans from 60 to 90 days** (*positive impact of ~R\$ 200 million*).

Accounting View: Sharp Increase in Funding Costs

Financial income from loan operations grew +13.3% QoQ and **+22.6% YoY**. This strong quarterly growth was driven both by loan portfolio expansion and the **reclassification of revenues from private securities (TVMs)** with credit characteristics, which were previously recorded under Treasury Results and are now booked under loan operations due to Resolution 4,966.

These revenues were incorporated into the lines of **Agro Loans** (+3.0% QoQ; +17.2% YoY) and **Corporate Lending** (+43.5% QoQ; +52.5% YoY), with a **positive impact of R\$ 3.9 billion** on Financial Income from Loan Operations.

Conversely, there was an equivalent reduction in **Treasury Results**, further pressured by weaker performance from Banco Patagonia, causing the line to decline **-39.1% QoQ** and **-39.7% YoY**.

Commercial funding expenses rose by +12.9% QoQ and +20.4% YoY, driven by the increase in the average Selic rate and the Referential Rate (TR), as well as by growth in the average balance of commercial deposits. Institutional funding expenses rose even more sharply, +23.7% QoQ and +42.6% YoY, reflecting a significant increase in costs associated with Subordinated Debt, following the R\$ 8.0 billion issuance of Perpetual Financial Bills (Letras Financeiras Perpétuas) during the quarter.

Summing up these dynamics, **Financial Income increased by** +0.7% QoQ and +6.5% YoY, but **lagged behind the growth in Financial Expenses (+14.6% QoQ** and **+23.7% YoY)**, thus **compressing net financial results**.

Managerial View: Decline QoQ and YoY

Client NII fell -2.2% QoQ and remained virtually **flat YoY (+0.3%)**, reflecting the impact of the mismatch between fixed-rate loan yields and floating-rate funding costs in a rising interest rate environment.

Meanwhile, **Market NII dropped significantly by -40.7% QoQ** and -34.9% YoY, due to the above-mentioned reclassification of private securities (TVMs), which affected treasury results. Additionally, **Banco Patagonia posted a weaker performance,** down -15.4% QoQ and -57.4% YoY, as its operations normalize amid the gradual recovery of Argentina's macroeconomic variables.

Fee Income: Impacted by Accounting Reclassification

Fee income totaled R\$ 8.4 billion in 1Q25, down by -9.0% QoQ and remaining virtually flat YoY (+0.2%). The variations, both quarterly and annual, were affected by the **deferral of credit**related fees associated with loan origination, which are now recognized under Gross Financial Margin instead of Fee Income, following the adoption of Resolution No. 4,966.

This accounting change led to a **sharp drop in the "Loan Operations and Guarantees" line** (-84.1% QoQ; -78.3% YoY). **Excluding this impact**, fee income would have grown **+4.5% YoY**, a performance roughly in line with inflation for the period. On a quarterly basis, the **typical seasonal weakness at the beginning of the year** further contributed to the decline.

Despite this, we highlight the **strong annual growth** in **fund management fees** (+14.8% YoY) and **consortium management fees** (+18.5% YoY).

Cost of Credit and Delinquency: Pressured by New Provisioning Model and Agribusiness Deterioration

Banco do Brasil's cost of credit totaled R\$ 10.2 billion in 1Q25, representing a **sharp increase** of **+9.6% QoQ** and **+18.9% YoY**, though still within the bank's guidance range. This rise was primarily driven by the **adoption of Resolution No. 4,966**, which implemented the **expected credit loss provisioning model**. Additionally, there was a **decline** in **credit recoveries** during the period (-33.1% QoQ; -35.3% YoY).

Under the new regulation, the bank is now required to **recognize provisions at loan origination** and extend coverage to credit exposures that previously did not require provisioning. This new methodology tends to **exert pressure on provisioning expenses during periods of elevated delinquency**, such as the current one, especially amid the **ongoing deterioration in the agribusiness segment**.

The resolution also changed the classification of losses on securities, which were previously recognized as impairment losses and are now included under **expected credit losses**, further contributing to the **rise in credit cost** this quarter.

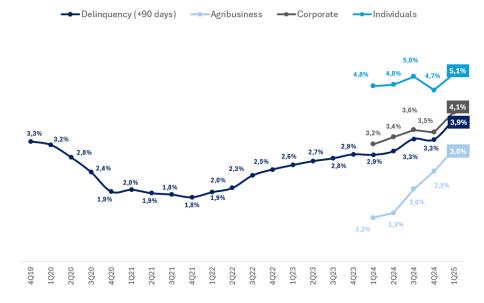
The non-performing loan (NPL) ratio over 90 days rose to 3.9%, an increase of +0.5 pp QoQ and +1.0 pp YoY. This deterioration was observed across the main portfolios, with a notable impact from agribusiness, where the NPL ratio rose +0.6 pp QoQ and +1.8 pp YoY to 3.0%, reflecting a significant decline in credit quality. We also observed higher delinquency in the Individuals portfolio (+0.4 pp QoQ; +0.3 pp YoY to 5.1%) and in the Corporate segment (+0.6 pp QoQ; +0.9 pp YoY to 4.1%).

The **renegotiated credit portfolio** was also affected by **resolution 4,966**, which changed the treatment of debt renegotiations and restructurings, broadening the understanding of this portfolio to one that includes **renegotiated and restructured credits (2Rs)**:

- **Renegotiated Credits**: operations with modified contractual terms, not necessarily indicative of elevated risk.
- **Restructured Credits**: renegotiations with significant concessions to clients due to reduced payment capacity, indicating higher credit risk.

In this context, the **2Rs portfolio** totaled **R\$ 72.0 billion** in 1Q25, with a **90+ day NPL ratio of 20.0%** and a **coverage ratio of 230.6%**. During the quarter, **new renegotiations** reached **R\$ 4.7 billion**, while **new restructurings** amounted to **R\$ 4.8 billion**.

Figure 4: Delinquency rate (+90 days): Increase in the Main Portfolios



Source: Banco do Brasil and Genial

Administrative and Other Expenses/Income: Under Control, Growth Driven by Technology Investments

Total administrative expenses amounted to R\$ 14.6 billion in 1Q25, marking a -4.2% decline QoQ and an increase of +6.3% YoY. The quarterly decline reflects favorable seasonal effects, while the annual increase still points to a well-controlled cost trajectory, with growth only slightly above inflation.

On a yearly basis, the main growth driver was the **"Other Administrative Expenses"** line **(+10.0% YoY)**, particularly **Communication and Data Processing expenses (+24.8% YoY)**, reflecting the bank's continued **investments in technology and digitalization**. **Personnel expenses remained under control**, growing only **+2.8% YoY**, mainly influenced by the **salary adjustment** implemented in September 2024.

Taxes: Benefit from Interest on Equity (JCP)

In 1Q25, the tax line posted a **significant reduction**, with an **effective tax rate of -5%**. This was primarily due to the **payment** of **R\$ 2.8 billion** in **Interest on Equity** (JCP), combined with **lower taxable income during the period**.

Capital: Capital Ratios Recover After 4Q24 Pressure

In 1Q25, the **Common Equity Tier 1 (CET1) ratio increased by** +0.08 pp QoQ, reaching 10.97%, effectively returning to the bank's **internal target of 11%**. The **Basel Ratio also recovered**, rising +0.38 pp QoQ to 14.1%, after hitting its lowest level in recent years in 4Q24. The **Tier 1 Capital ratio rose +0.61 pp QoQ to 13.3%**, reflecting a rebound after the pressure observed in the previous quarter.

The improvement in capital indicators reflects **organic capital** generation during the quarter, combined with positive effects from mark-to-market adjustments, foreign exchange variation, and other equity adjustments. These effects were sufficient to offset the negative impact of Resolution No. 4,966 (-0.27 pp) and the increase in risk-weighted assets (RWA).

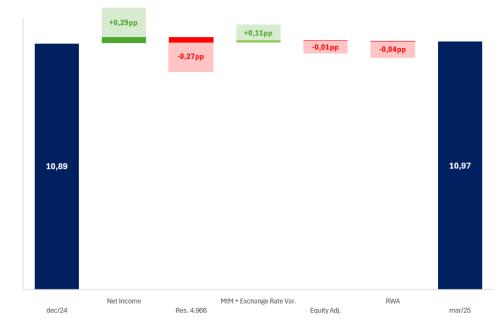


Figure 5: Common Equity Tier I Ratio (CETI) | Rebuilding Core Capital (%)

Source: Banco do Brasil and Genial

Disclosure Section

GENERAL DISCLAIMER

This report has been produced by the research department ("Genial Institutional Research") of Genial Institutional Corretora de Câmbio, Títulos e Valores Mobiliários S.A. ("GENIAL INSTITUTIONAL CCTVM"). Genial Institutional is a brand name of Genial Investimentos CCTVM.

Genial Rating

Definition			
Buy	Expected return above +10% in relation to the Company's sector average	49%	
Neutral	Expected return between +10% and -10% relative to the Company's industry average	41%	
Sell	Expected return below -10% in relation to the Company's sector average	5%	
under Review	Under review	5%	

This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.

This research report is for distribution only under such circumstances as may be permitted by applicable law. This research report has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient, even if sent only to a single recipient. This research report is not guaranteed to be a complete statement or summary of any securities, markets, reports or developments referred to in this research report. Neither GENIAL INSTITUTIONAL CCTVM nor any of its directors, officers, employees or agents shall have any liability, however arising, for any error, inaccuracy or incompleteness of fact or opinion in this research report or lack of care in this research report's preparation or publication, or any losses or damages which may arise from the use of this research report GENIAL INSTITUTIONAL CCTVM may rely on information barriers, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups, or affiliates of GENIAL INSTITUTIONAL CCTVM.

Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States.

The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Past performance is not necessarily a guide to future performance and no representation or warranty, express or implied, is made by GENIAL INSTITUTIONAL CCTVM with respect to future performance. Income from investments may fluctuate. The price or value of the investments to which this research report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation or opinion contained in this research report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein.

The locally listed shares of Brazilian companies may only be purchased by investors outside of Brazil who are "eligible investors" within the meaning of applicable laws and regulations.

2. ANALYST(S) DISCLOSURES AND CERTIFICATION

The principal analyst, EDUARDO NISHIO, is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

The analysts hereby certify that the views expressed in this research report accurately reflect their personal views about the subject securities or issuers and it was prepared in an independent manner, including with respect to the person and to GENIAL INSTITUTIONAL.

The analyst hereby certifies that he (she) has no connection with any individual who works for the issuer(s) discussed in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, either directly or indirectly, in his or her own name or on behalf of a third party, does not hold any of the securities covered in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, is not directly or indirectly involved in the purchase, disposal or brokering of the securities covered in this report.

The analyst hereby certifies that he (she), or the his (her) spouse or companion, has no direct or indirect financial interest in the issuer covered in this report (other than trading shares in investment funds, in which the analyst cannot control, directly or indirectly, the administration or management of the fund, or

which do not concentrate investments in sectors or companies that are covered by reports produced by the analyst).

The analyst's compensation is, directly or indirectly, determined by income from GENIAL INSTITUTIONAL's business and financial operations.

In addition, the analysts certify that no part of their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

The compensation of the analyst who prepared this report is determined by research management and senior management (not including investment banking). Analyst compensation is not based on investment banking revenues, however, compensation may relate to the revenues of GENIAL INSTITUTIONAL CCTVM, its affiliates and/or subsidiaries as a whole, of which investment banking, sales and trading are a part. Compensation paid to analysts is the sole responsibility of GENIAL INSTITUTIONAL CCTVM.

The analyst hereby certifies that he (she), or his (her) spouse or companion, does not serve as an officer, director, or advisory board member of the subject company.

The principal analyst is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

Unless otherwise stated, the individuals listed on the cover page of this report are research analysts.

3. ADDITIONAL DISCLOSURE

I) This document was prepared by GENIAL INSTITUTIONAL Research and is hereby supplied for the sole purpose of providing information about companies and their securities.

II) The information contained herein is provided for informational purposes only and does not constitute an offer to buy or sell, and should not be construed as a solicitation to acquire, any securities in any jurisdiction. The opinions expressed herein regarding the purchase, sale or holding of securities, or with respect to the weighting of such securities in a real or hypothetical portfolio, are based on careful analysis by the analysts who prepared this report and should not be construed by current or future investors as recommendations for any particular investment decision or action. The investor's final decision should be made considering all of the risks and fees involved. This report is based on information obtained from primary or secondary public sources, or directly from companies, and is combined with estimates and calculations prepared by GENIAL INSTITUTIONAL CCTVM. This report does not purport to be a complete statement of all material facts related to any company, industry, security or market strategy mentioned. The information has been obtained from sources believed to be reliable, but GENIAL INSTITUTIONAL CCTVM does not make any express or implied representation or warranty as to the completeness, reliability or accuracy of such information. The information, opinions, estimates and projections contained in this document are based on current data and are subject to change. Prices and availability of financial instruments are indicative only and subject to change without notice. GENIAL INSTITUTIONAL CCTVM is under no obligation to update or revise this document or to advise of any changes in such data.

III) The securities discussed in this report, as well as the opinions and recommendations contained herein, may not be

appropriate for every type of investor. This report does not take into account the investments objectives, financial situation or particular needs of any particular investor. Investors who wish to buy, sell or invest in securities that are covered in this report should seek independent financial advice that takes individual characteristics and needs into consideration, before making any investment decision with respect to the securities in question. Each investor should make independent investment decisions after carefully analyzing the risks, fees and commissions involved. If a financial instrument is denominated in a currency other than an investor's currency, changes in exchange rates may adversely affect the price or value of, or the income derived from the financial instrument, and the reader of this report assumes all foreign exchange risks. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment. Past performance does not necessarily indicate future results, and no representation or warranty, express or implied, is made herein regarding future performance. Therefore, GENIAL INSTITUTIONAL CCTVM, its affiliated companies, and the analysts involved in this report take no responsibility for any direct, indirect or consequential loss resulting from the use of the information contained in this report, and anyone using this report undertakes to irrevocably indemnify GENIAL INSTITUTIONAL CCTVM and its affiliates from any claims and demands.

 IV) Prices in this report are believed to be reliable as of the date on which this report was issued and are derived from one or more of the following: (I) sources as expressly specified alongside the relevant data; (II) the quoted price on the main regulated market for the security in question; (III) other public

sources believed to be reliable; or **(IV)** GENIAL INSTITUTIONAL CCTVM's proprietary data or data available to GENIAL INSTITUTIONAL CCTVM.

V) No representation or warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein, except with respect to information concerning GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates. In all cases, investors should conduct their own investigation and analysis of such information before taking or omitting to take any action in relation to securities or markets that are analyzed in this report.

VI) GENIAL INSTITUTIONAL CCTVM makes no representations herein that investors will obtain profits. GENIAL INSTITUTIONAL CCTVM will not share with investors any investment profits nor accept any liability for any investment losses. Investments involve risks and investors should exercise prudence in making their investment decisions. GENIAL INSTITUTIONAL CCTVM accepts no fiduciary duties on behalf of recipients of this report and in communicating this report is not acting in a fiduciary capacity. This report is not to be relied upon in substitution for the exercise of recipient's independent judgment. Opinions, estimates, and projections expressed herein constitute the current judgment of the analyst responsible for the substance of this report as of the date on which the report was issued and are therefore subject to change without notice and may differ or be contrary to opinions expressed by other business areas or groups of GENIAL INSTITUTIONAL CCTVM as a result of using different assumptions and criteria. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment.

VII) Because the personal views of analysts may differ from one another, GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates may have issued or may issue reports that are inconsistent with, and/or reach different conclusions from, the information presented herein. Any such opinions, estimates, and projections must not be construed as a representation that the matters referred to therein will occur. Prices and availability of financial instruments are indicative only and subject to change without notice. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly.

VIII) This document may not be: (a) photocopied or duplicated in any manner, in whole or in part, and/or (b) distributed without GENIAL INSTITUTIONAL CCTVM's prior written consent. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.

IX) Neither GENIAL INSTITUTIONAL CCTVM nor any of its affiliates, nor any of their respective directors, employees or agents, accepts any liability for any loss or damage arising out of the use of all or any part of this report.

X) GENIAL INSTITUTIONAL CCTVM (or its affiliates, officers, directors or employees) may, to the extent permitted by law, have acted upon or used the information herein contained before the publication of this report and may have a position in securities issued by the companies mentioned herein and may make a market or act as a principal in any transactions in any such securities. Genial Institutional may from time to time perform investment banking or other services to, or solicit investment banking or other services to, and the time mentioned herein.

4. IMPORTANT DISCLOSURES FOR U.S. PERSONS

This research report was prepared by Genial Institutional CCTVM, a company authorized to engage in securities activities in Brazil. Genial Institutional CCTVM is not a registered broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and is not being provided pursuant to a soft-dollar arrangement.

Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Auerbach Grayson & Company LLC ("AGCO"), a registered broker dealer in the United States with an office at 20 West 55th Street New York, NY 10019, (212) 453-3523 . Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through Genial Institutional CCTVM.

If the report is to be distributed to anyone other than Major U.S. Institutional Investors in the United States. AGCO accepts responsibility for the contents of this report as provided for in relevant SEC releases and SEC staff no-action letters.

The analyst whose name appears in this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA") and may not be an associated person at Auerbach Grayson & Company LLC ("AGCO") and, therefore, may not be subject to applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

The disclosures contained in research reports produced by GENIAL INSTITUTIONAL CCTVM and distributed by Auerbach Grayson & Company LLC ("AGCO") in the U.S. shall be governed by and construed in accordance with U.S. law. This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. Additional information relative to the financial instruments discussed in this report is available upon request.

UK Disclaimer.

I) This document is STRICTLY CONFIDENTIAL to the recipient, may not be distributed to the press or other media and may not be reproduced in any form. this document is directed only at persons who are "INVESTMENT PROFESSIONALS" falling within article 19(5) of the FSMA 2000 (FINANCIAL PROMOTION) ORDER 2005, or HIGH NET WORTH BODIES falling within ARTICLE 49(2) of that order (together THE "RELEVANT PERSONS"). This document must not be acted on or relied on by persons who are not RELEVANT PERSONS.

II) The distribution of this document in other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of any such other jurisdiction.

Copyright 2024 GENIAL GENIAL INSTITUTIONAL CCTVM