

EARNINGS REVIEW 1Q18

Turkey | Banks | 14 May 2018

Isbank

Income under equity* boosts ROAE

Expected impact: Positive

Isbank posted an impressive TRY1,807mn net income (+50.0% QoQ, +10.0% YoY) in its Q1 bank only financials. The results came significantly above both our TRY1,437mn call and the consensus estimates of TRY1,426mn by 25.7% and 26.7%, respectively. The main reasons behind the deviation from consensus were; i) TRY510mn income under equity related to *accounting methodology change and ii) TRY709mn other income related to IFRS-9 transition driven reversals. In Q1, Isbank managed to remarkably expand its net earnings on the back of; i) progressed NII (+5.5% QoQ, +16.2% YoY), ii) newly introduced income under equity account (TRY510mn), iii) inflated other income related to IFRS-9 reporting (TRY790mn, +212.7% QoQ) and iv) slightly reduced OPEX (-2.0% QoQ). However, further growth in the bottom-line was constrained by; i) inflated provisions expense related to IFRS-9 reporting (TRY1,130mn, +90.9% QoQ), ii) slightly weaker fee generation (-1.5% QoQ) and iii) elevated trading loss at TRY678mn (4Q17: -TRY650mn). Unlike peers, reported NIM and Swap adj. NIM improved by 9bps and 11bps QoQ to 4.47% and 3.85%, respectively, while CPI-excluded NIM also improved by 11bps QoQ 3.80% in Q1. The Bank has shown confident stance for achieving FY2018 swap adjusted NIM guidance of 3.7-3.9%. On the asset quality front, mixture of hiked net NPL inflows (1Q18: TRY346mn) and moderate denominator effect (Loans: +3.0% QoQ) led to slight deterioration in NPL ratio (+9bps QoQ to 2.30% vs. FY2018 NPL ratio guidance at <3.0%). Following IFRS-9 related adjustments and specific provisions of Q1, the post IFRS-9 specific coverage ratio materialized at 71.7%. The bank booked TRY532mn (+59.6% QoQ) specific provisions which resulted in increased specific CoR readings (+31bps QoQ) of 88bps. The bank hinted that certain big ticket accounts and some energy sector loans have been transferred to Stage II as of 1Q18. Following IFRS-9 related methodology changes, re-classifications and loan expansion of the quarter, the bank booked TRY596mn general provisions, putting some burden on the bottom-line. As for solvency metrics, CAR and CET1 eased by 15bps and 25bps to 16.51% and 13.78%, respectively, mostly due to TRY depreciation and dividend payment. ROAE managed to improve by 552bps QoQ to 17.49%, substantially supported by the new accounting methodology. Despite impressive NI and improved NIM in Q1, due to weak TRY and uncertain macro conditions, we reduce our FV estimate to TRY7.20/share from TRY8.00/share with HOLD rating unchanged, offering 22% upside potential at the current valuation.

Core business loses momentum - In Q1, Isbank remained as the leading lender with an additional 3.0% QoQ (+12.3 YoY) advance in the lending business on top of the previous quarter's 4.7% QoQ growth; but, it lagged the sector average growth pace of 4.9% QoQ in the quarter. While the bank departed from its faster growth tempo in TRY lending (+0.9% QoQ vs. Sector: 3.9% QoQ), the loan growth was mainly led by FC business (+6.2% QoQ vs. Sector: +6.9% QoQ) most of which was however driven by TRY depreciation (+1.3% QoQ in USD terms). At 12.3% YoY growth, the overall lending activity was slightly below the bank's guidance of a growth of 13-14%. Regarding the segmental distribution, the bank showed a greater focus on commercial & corporate loans (+5.1% QoQ) and retail segment (+1.3% QoQ), while remaining muted on SMEs (-0.3% QoQ). Deposits showed slower growth figures with 1.5% QoQ in Q1. Isbank refrained from competing on FC deposits (+1.6% QoQ vs. Sector + 5.0% QoQ) and also displayed limited emphasis on TRY deposits (+1.5% QoQ vs. Sector 3.7% QoQ). Hence, the LDR rose by 163bps QoQ to 130.9% in Q1, still one of the highest among Tier1 banks. Also note that at 8.1% YoY, deposit growth remains visibly short of the FY2018 guidance of 13-14%.

Core spread expansion continued in Q1 - The bank has successfully adopted asset pricing and maintained its leading position in terms of core-spreads among Tier 1 banks in our coverage. With asset re-pricings still reflecting to the books, TRY loan yields improved by 35bps QoQ; however, FC loan yields

Please continue to Page 2



| | |
|------------------|---------------------|
| HOLD | 22% upside |
| Fair Value | TRY7.20 |
| Prev. (HOLD) | Prev. (TRY8.00) |
| Bloomberg ticker | ISCTR TI |
| Share Price | TRY5.90 |
| Market Cap | USD6.22bn/TRY26.6bn |
| Free Float | 31% |

| TRYmn [1Q18] | Actual | Consensus | Deviation | Global Est |
|--------------|--------|-----------|-----------|------------|
| Net income | 1,807 | 1,426 | 27% | 1,437 |

| TRY mn | 1Q18 | 1Q17 | YoY | 4Q17 | QoQ |
|------------|-------|-------|-------|-------|-------|
| NII | 3,749 | 3,228 | 16.2% | 3,554 | 5.5% |
| Net fees | 921 | 801 | 15.0% | 935 | -1.5% |
| LLP | 1,130 | 870 | 29.9% | 592 | 90.9% |
| OPEX | 1,963 | 1,642 | 19.6% | 2,002 | -2.0% |
| Net income | 1,807 | 1,642 | 10.0% | 1,205 | 50.0% |

| Performance | 1M | 3M | 6M | 12M |
|-------------|------|------|------|------|
| Absolute | -8% | -16% | -8% | -11% |
| Relative | -1% | -6% | -2% | -17% |
| Relative \$ | -12% | -25% | -17% | -25% |

| Estimates | 2016 | 2017 | 2018E | 2019E |
|------------|---------|---------|---------|---------|
| Securities | 53,269 | 59,429 | 62,866 | 66,085 |
| Loans | 203,142 | 239,407 | 273,420 | 310,862 |
| Deposits | 177,359 | 203,751 | 233,336 | 263,991 |
| Book value | 35,961 | 43,093 | 49,988 | 57,986 |
| Net income | 4,701 | 5,308 | 6,899 | 7,481 |
| P/E (x) | 5.65 | 5.00 | 3.94 | 3.63 |
| P/BV (x) | 0.74 | 0.62 | 0.54 | 0.47 |
| P/Deposits | 0.15 | 0.13 | 0.11 | 0.10 |

Research Director

Sertan Kargin
+90 850 201 94 84
sertank@global.com.tr
Global Securities

Analyst

Kerem Mimaroglu
+90 850 201 94 84
keremm@global.com.tr
Global Securities

Research contact for general inquiry

+90 212 244 55 66
research@global.com.tr
www.global.com.tr

Yesilce Mah. Eski Buyukdere Cad.
No: 65 Kat: 1 34418 Istanbul Turkey
Global Menkul Degerler

fell as much as 34bps QoQ in Q1. These readings translated into flattish in blended loan yields at 10.87%, while blended deposits costs showed a moderate decline of 26bps QoQ in Q1 thanks to sticky deposit base and limited growth. Hence, the bank achieved an additional 26bps QoQ expansion in blended core-spread to many quarters high of 5.90% in Q1.

NIM improves with widened core spread - While CPI linkers continued to generate steady interest income as much as TRY551mn up by 29.3% YoY in Q1, its sequential contribution to NII eased to 0.4% QoQ from 17.0% QoQ in 4Q17. Nevertheless, unchanged CPI linker contribution enabled ISCTR to reflect the 26bps QoQ expansion in core spreads to the NIM. Hence, the reported NIM improved by 9bps QoQ to 4.47% in Q1, slightly above the budgeted target range of 4.2-4.4% for FY18. In tandem, CPI linkers-excluded NIM improved 11bps QoQ to 3.80%. With the short term swap utilisation remaining flattish at around USD6bn, cost of swap book showed a close-to-flat rise of 1.0% QoQ to TRY512mn in Q1. Hence, the swap adjusted NIM ratio expanded by 11bps to 3.85%, in line with the FY18 guidance of 3.7-3.9%. The bank saw further trading loss which amounted to TRY678mn in the quarter with an additional 4.2% QoQ rise; however, trade adjusted NIM still increased by 9bps QoQ to 3.65%.

The NPL ratio slightly increased with normalized net inflows - NPLs grew at an accelerated pace of 7.3% QoQ to c.TRY5.8bn vs. the moderate loan book growth of 3.0% QoQ. The unpleasant combination of reduced collections (TRY432mn, -26.3% QoQ) and increased new additions (TRY779mn, +23.2% QoQ) ultimately resulted in normalized net inflows at TRY346mn (+662.5% QoQ vs. -70.7% QoQ in 4Q17). With increased net inflows and adequate provisioning, the bank booked TRY532mn specific provisions (+59.6% QoQ) resulting in increased quarterly specific CoR at 88bps (+31bps QoQ). Against this backdrop, the NPL ratio slightly worsened by 9bps QoQ to 2.30% mainly due to ramped up net inflows, as mentioned, and limited denominator effect (Loans: +3.0%) in the quarter. This is however one of the best asset quality indicators among Tier1 banks. Also note that the Bank sees no change in the FY2018 NPL guidance of <3%. With the introduction of IFRS-9 reporting as of 1Q18, certain abnormalities might be observed on banking sector financials; on Isbank case, we observe i) decreased specific provisions (c.-TRY756mn) and increased general provisions (c.+TRY890mn) at the time of transition according to our calculations and ii) inflated provisions expense account (TRY1,130mn, +90.9% QoQ) which should be evaluated in this way considering also elevated other income account (TRY790mn: +212.7% QoQ; 1Q18 collections: TRY200mn; and IFRS-9 related reversals: TRY504mn). These accounts should normalize going forward as it contains one-off items related to IFRS-9 transition. With that being said, post IFRS-9 specific coverage and gross coverage has finalized at 71.7% and 130.9% as of 1Q18, respectively.

Some transfers to Stage II - The bank hinted that certain big ticket accounts and some energy sector loans have been transferred to Stage II as of 1Q18. Following these reclassifications (some related to IFRS-9 reporting), Stage II share under total loans increased by 347bps to 8.5%. To remind, the bank holds USD500mn OTAS exposure. The collateral base for this account should theoretically be at around 60%. Also worth noting that the bank continues to operate with TRY1,550mn of free provisions as a buffer.

Operating efficiency remained under pressure - OPEX was down by 2.0% QoQ after having shown c.10% QoQ expansion in 4Q17 when amortization of digitalization investments and pension fund provisions expense hit the bottom-line. Despite some improvement with base effects, the annual pace of OPEX came in at 19.6% YoY both above the current CPI @ 10.85% YoY and the FY18 guidance of 13-14% range, which was actually re-stated as CPI + 3-4%. On the other hand, C/I ratio eased 796bps to four quarters low of 41.0% in Q1. Fee income somewhat softened from its elevated level in 4Q17, declining by 1.5% QoQ, which however showed 15.0% YoY increase owing to the solid lending activity. The Q1 fee income remains on track with FY2018 guidance of 15%.

Isbank maintains solid solvency metrics - Solvency metrics faced slight decline due to negative impact of dividend distribution (-41bps) and RWA expansion (-78bps QoQ) in the wake of TRY depreciation in Q1. Even though the bank found strong support from organic capital generation (+56bps QoQ) and IFRS-9 related factors (+37bps QoQ), CAR and CET1 eased by 15bps and 25bps QoQ to 16.51% and 13.78%, respectively in the quarter, fairly meeting the >14% target for FY2018. Note that 10% depreciation on TRY would result in 55bps reduction on the bank's CAR.

Please continue to Page 3

Switched to income under equity model - As of 1Q18, the bank decided to adopt a common industry practice of income under equity methodology in place of dividend income for the accounting of subsidiary contribution. This decision should enable the bank to effectively leverage its group company's value additions. Needless to say, this could have some substantial impact on NI evolution going forward. The management believes the current figures of income under equity can be an approximation for the whole year, which leaves us with c.TRY2bn contribution from this account in place of the previously guided TRY800mn dividend income for FY2018. All told, the adoption of this model should raise the bank's ROAE figures closer to the ROATE performance.

Bottom-line: FV reduced to TRY7.20 from TRY8.00 with HOLD rating unchanged - In Q1, net earnings encountered 50.0% QoQ surge to TRY 1,807mn (+10.0% YoY) yet with the substantial support of accounting methodology change. This translated into a 552bps QoQ increase in ROAE to 17.59%, albeit with a decline of 166bps in annual terms in Q1. Despite the QoQ improvement in ROAE and NIM expansion, due to weak TRY and challenging macro environment, we reduce our FV estimate to TRY7.20 from TRY8.00 with HOLD rating unchanged, offering 22% upside potential at the current valuation. Note that ISCTR trades at 2018E P/BV of 0.54x against the peer average of 0.62x going into publication.

Exhibit 1: Balance sheet ratios

| Balance sheet ratios | 3M17 | 6M17 | 9M17 | 12M17 | 3M18 |
|--------------------------------|--------|--------|--------|--------|--------|
| Securities/Assets | 17.1% | 17.2% | 17.0% | 16.4% | 16.3% |
| Trading/Total securities | 4.4% | 3.7% | 4.4% | 4.1% | 0.6% |
| AFS/Total securities | 83.1% | 82.6% | 81.8% | 83.1% | 59.7% |
| HTM/Total securities | 12.5% | 13.7% | 13.8% | 12.8% | 39.7% |
| Liquid assets/Total assets | 27.6% | 27.3% | 27.5% | 27.0% | 26.7% |
| Loans/Assets | 65.8% | 65.7% | 66.0% | 66.1% | 66.5% |
| LDR | 114.6% | 116.9% | 117.9% | 117.5% | 119.1% |
| Deposit/Total assets | 57.4% | 56.2% | 56.0% | 56.2% | 55.8% |
| Funds borrowed/Total assets | 9.8% | 9.4% | 9.4% | 10.6% | 10.9% |
| MM/Total assets | 6.3% | 7.3% | 7.2% | 5.5% | 5.5% |
| Securities issued/Total assets | 6.9% | 7.2% | 7.1% | 7.2% | 7.3% |
| Equity/Total assets | 11.2% | 11.7% | 11.8% | 11.9% | 12.1% |
| Leverage | 8.9 | 8.5 | 8.5 | 8.4 | 8.3 |
| Free equity to assets | 6.5% | 6.8% | 6.8% | 6.7% | 7.0% |
| IEA/IBL | 113.9% | 113.5% | 113.9% | 113.9% | 113.9% |
| IEA/Total Assets | 93.4% | 93.0% | 93.5% | 93.1% | 93.1% |
| CAR | 14.94% | 16.53% | 16.98% | 16.66% | 16.51% |
| CET1 | 13.05% | 14.05% | 14.10% | 14.03% | 13.78% |
| T1 | 13.01% | 14.01% | 14.06% | 13.99% | 13.78% |

Source: Bank financials, Global Securities

Exhibit 2: Profitability ratios

| Profitability ratios | 3M17 | 6M17 | 9M17 | 12M17 | 3M18 |
|--|--------|--------|--------|--------|--------|
| ROAA | 2.05% | 1.49% | 1.42% | 1.37% | 1.99% |
| ROAE | 19.15% | 13.51% | 12.58% | 11.97% | 17.49% |
| NIM | 4.36% | 4.15% | 4.08% | 4.37% | 4.47% |
| Adjusted NIM | 4.0% | 3.5% | 3.5% | 3.6% | 3.6% |
| IEA yield (quarterly) | 8.57% | 8.82% | 9.18% | 9.50% | 9.49% |
| IBL cost (quarterly) | 4.65% | 5.17% | 5.64% | 5.67% | 5.55% |
| IEA-IBL Spread (quarterly) | 3.92% | 3.65% | 3.54% | 3.83% | 3.94% |
| Securities yield (Blended) | 8.48% | 8.47% | 8.82% | 9.52% | 9.39% |
| Loans yield (Blended) | 9.88% | 10.18% | 10.57% | 10.87% | 10.87% |
| Deposits cost (Blended) | 4.31% | 4.74% | 5.25% | 5.23% | 4.97% |
| Loans-deposits spread (Blended) | 5.57% | 5.44% | 5.32% | 5.64% | 5.90% |
| Securities issued cost (Blended) | 7.54% | 7.52% | 8.40% | 9.57% | 9.19% |
| Interest on loans / Total interest income | 80.5% | 81.0% | 80.9% | 80.6% | 81.2% |
| Interest on securities / Total interest income | 18.1% | 17.7% | 17.6% | 17.9% | 17.4% |
| Net interest income / Total operating income | 71.3% | 80.3% | 81.2% | 86.9% | 78.3% |
| Net fee income / Total operating income | 17.7% | 20.5% | 20.7% | 22.8% | 19.2% |
| Net fee income / Opex | 48.8% | 42.5% | 44.9% | 46.7% | 46.9% |
| Net fee income / Assets | 0.96% | 0.96% | 0.95% | 1.03% | 0.99% |
| Non-banking income / Total operating income | 11.0% | -0.7% | -1.9% | -9.7% | 2.5% |
| LLPs / Total operating income | 19.2% | 14.0% | 15.4% | 14.5% | 23.6% |
| Cost/Income ratio | 36.3% | 48.2% | 46.1% | 48.9% | 41.0% |

Source: Bank financials, Global Securities



Exhibit 3: Publication schedule

| Date | Publication |
|------------|-----------------------|
| 09.08.2018 | 2Q18 Earnings release |
| 09.11.2018 | 3Q18 Earnings release |

Source: Public disclosure platform

Exhibit 4: Recommendation history

| 15.10.1993 (Initiation date) | Rating | Target Price | Prev. Day's close | Upside |
|------------------------------|--------|--------------|-------------------|--------|
| 05.02.2018 | Hold | 8.00 | 7.54 | 6.1% |
| 31.10.2017 | Hold | 7.65 | 6.71 | 14.0% |
| 14.06.2017 | Hold | 7.40 | 6.81 | 8.6% |
| 03.02.2017 | Hold | 6.85 | 5.49 | 24.8% |
| 27.12.2016 | Hold | 5.80 | 4.72 | 23.0% |

Source: Global Securities

Exhibit 5: Coverage universe recommendation overview

| | Buy | Hold | Reduce | Sell | U/R |
|------------|-----|------|--------|------|-----|
| Universe | 20 | 19 | 1 | 0 | 1 |
| Universe % | 49% | 46% | 2% | 0% | 2% |

Source: Global Securities



Date of completion of this report: 14.05.2018 08:50 UTC+3

Date of email-distribution of this report: 14.05.2018 09:00 UTC+3

Explanation of Rating System

12-MONTH RATING DEFINITION

BUY: Buy stocks are expected to have a total return of at least 15% and are the most attractive stocks in our coverage universe on a 12-month horizon.

HOLD: Hold stocks are expected to deliver a positive total return of up to 15% within a 12-month period.

REDUCE: Reduce stocks are expected to achieve a negative total return up to -10% within a 12-month period.

SELL: Sell stocks are expected to post a negative total return of more than -10% within a 12-month period.

ANALYST CERTIFICATION

We, Sertan Kargin and Kerem Mimaroglu, hereby certify that the views expressed in this research report accurately reflect our personal views about the market and, in conjunction with the named analysts, the subject securities and issuers. We also certify that no part of our compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

IMPORTANT DISCLOSURE INFORMATION

This material was produced by Global Menkul Değerler A.Ş. ("GMD") or its Affiliates, solely for information purposes and for the use of the recipient. It is not to be reproduced under any circumstances and is not to be copied or made available to any person other than the recipient. It is distributed in the world by GMD or an authorised affiliate of GMD (such entities and any other entity, directly or indirectly, controlled by GMD, the "Affiliates"). This document does not constitute an offer of, or an invitation by or on behalf of GMD or its Affiliates or any other company to any person, to buy or sell any security. The information contained herein has been obtained from published information and other sources which GMD or its Affiliates consider to be reliable. None of GMD or its Affiliates accepts any liability or responsibility whatsoever for the accuracy or completeness of any such information. All estimates, expressions of opinion and other subjective judgments contained herein are made as of the date of this document.

Emerging securities markets may be subject to risks significantly higher than more established markets. In particular, the political and economic environment, company practices and market prices and volumes may be subject to significant variations. The ability to assess such risks may also be limited due to significantly lower information quantity and quality. By accepting this document, you agree to be bound by all the foregoing provisions.

GMD or its Affiliates have not recently been the beneficial owners of 1% or more of the securities mentioned in this report; GMD or its affiliates have not managed or co-managed a public offering of these securities, or received compensation for investment banking services from the issuer of these securities in the past 12 months and do not expect to receive compensation for investment banking services from the issuer of these securities within the next three months. However, one or more of GMD or its Affiliates may, from time to time, have a long or short position in any of the securities mentioned herein and may buy or sell those securities or options thereon either on their own account or on behalf of their clients. GMD or its Affiliates may, to the extent permitted by law, act upon or use the above material or the conclusions stated above or the research or analysis on which they are based before the material is published to recipients and from time to time provide investment banking, investment management or other services for or solicit to seek to obtain investment banking, or other securities business from, any entity referred to in this report.



Special additional Regulations for the United States of America:

This report and any recommendation (including any opinion, projection, forecast or estimate; hereinafter referred to as "Report" or "Document") contained herein have been prepared by Global Menkul Değerler A.Ş. or any of its affiliated companies (Global Menkul Değerler A.Ş shall hereinafter be referred to as "GMD") and are distributed in the United States by RB International Markets (USA) LLC ("RBIM"), a broker-dealer registered with FINRA® and Raiffeisen Centrobank AG (a non-US affiliate of RBIM). This Report constitutes the current judgment of the author as of the date of this Report and is subject to change without notice. GMD and/or its employees have no obligation to update, modify or amend or otherwise notify a recipient of this Report if the information or recommendation stated herein changes or subsequently becomes inaccurate. The frequency of subsequent reports, if any, remains in the discretion of the author and GMD. This Report was prepared outside the United States by one or more analysts who may not have been subject to rules regarding the preparation of reports and the independence of research analysts comparable to those in effect in the United States. The analyst or analysts who prepared this research Report (i) are not registered or qualified as research analysts with the Financial Industry Regulatory Authority ("FINRA") in the United States, and (ii) are not allowed to be associated persons of RBIM and are therefore not subject to FINRA regulations, including regulations related to the conduct or independence of research analysts.

GMD's Rating and Risk Classification System (please consider the definition given before)

This Report does not constitute an offer to purchase or sell securities and neither shall this Report nor anything contained herein form the basis of, or be relied upon in connection with, any contract or commitment whatsoever. The information contained herein is not a complete analysis of every material fact regarding the respective company, industry or security. This Report may contain forward-looking statements, which involve risks and uncertainties, does not guarantee future performances whatsoever and is, accordingly, subject to change. Though the information and opinions contained in this Report are based on sources believed to be reliable, neither GMD nor Raiffeisen Centrobank AG nor RBIM has independently verified the facts, assumptions and estimates contained in this report. Accordingly, no representation or warranty, expressed or implied, is made to, and reliance should not be placed on, the fairness, accuracy, completeness or correctness of the information and opinions contained in this Report. Although the opinions and estimates stated reflect the current judgment of Raiffeisen Centrobank AG and RBIM, opinions and estimates are subject to change without notice. This Report is being furnished to you for informational purposes only and investors should consider this Report as only a single factor in making their investment decision. Investors must make their own determination of the appropriateness of an investment in any securities referred to in this Report based on the tax, or other considerations applicable to such investor and its own investment strategy.

Investment Risks

Investments in securities generally involve various and numerous risks and may even result in the complete loss of the invested capital. This Report does not take into account the investment objectives, financial situation or particular needs of any specific client of RBIM. Before making an investment decision on the basis of this Report, the recipients of this Report should consider whether this Report or any information contained herein are appropriate or suitable with regard to their own investment needs, objectives and suitability. Any recommendation contained in this Report may not be suitable for all investors. Past performance of securities and other financial instruments are not indicative of future performance. RBIM can be neither a price guarantor nor an insurer of market conditions.

Given the cyclical nature of the banking sector, banking can be one of the most volatile industries within the financial sector. However, also other financial companies (insurances, stock exchanges, asset management operations) can be regarded as volatile. The main risks are the overall health of the global economy as well as the macroeconomic conditions of the countries the companies operate in. This also includes currency, interest rate and political risks. The risk of natural catastrophes and investment related risks are among industry specific risks. In addition, changes in the regulatory environment may limit the scope and profitability of the business and require additional expenditures or capital. Finally, given the volatility in asset prices, currencies and interest rates, it is crucial to evaluate counterparty risk to mitigate default risk.

This Report may cover numerous securities, some of which may not be qualified for sale in certain states and may therefore not be offered to investors in such states. This Document should not be construed as providing investment advice. Investing in non-U.S. securities, including ADRs, involves significant risks such as fluctuation of exchange rates that may have adverse effects on the value or price of income derived from the security. Securities of some foreign companies may be less liquid and prices more volatile than securities of U.S. companies. Securities of non-U.S. issuers may not be registered with or subject to Securities and Exchange Commission reporting requirements; therefore, information regarding such issuers may be limited. Securities which are not registered in the United States may not be offered or sold, directly or indirectly, within the United States or to U.S. persons (within the meaning of Regulation S under the Securities Act of 1933 [the 'Securities Act']), except pursuant to an exemption under the Securities Act. This Report and the contents therein are the copyright product, and property of, RBIM or Raiffeisen Centrobank AG. It is intended solely for those to whom RBIM directly distributes this Report. Any reproduction, republication dissemination, and/or other use of this Report by any recipient of it, or by any third party, without the express written consent of RBIM, is strictly prohibited.

U.S. persons receiving the research and wishing to effect any transactions in any security discussed in the Report should do so through RBIM, and not the issuer of the research. RBIM can be reached at 1133 Avenue of the Americas, 16th Floor, New York, NY 10036, 212-600-2588.

GMD is a stock corporation, incorporated under the laws of the Republic of Turkey and, headquartered at Yesilce Mah. Eski Büyükdere Cad. No: 65 Kat: 1 34418 Istanbul, Turkey, with a share capital of 40.000.000,00-TL, registered at Istanbul Trade Registry. **Global Menkul Değerler A.Ş "Global Securities" is a leading financial services firm and an investment bank in Turkey established in 1990, providing a full range of corporate finance advisory, sales & trading, and equity research services with 142 people in its offices throughout Turkey. The shares of Global are listed on Borsa Istanbul.**



Responsible supervisory authorities of GMD:

Capital Markets Board (CMB)

Disclosure Aspects

The following disclosures apply to the security when stated under the applicable disclosures section

(Global Menkul Değerler A.Ş hereinafter referred to as "GMD"):

1. GMD, or an affiliate, has acted as manager, co-manager, or underwriting participant of a public offering for this company in the past 12 months.
2. GMD or an affiliate, has performed investment banking, capital markets, or other comparable services for this company or its officers in the past 12 months.
3. GMD, or an affiliate, expects to receive or intends to seek compensation for investment banking services from the subject company in the next 3 months.
4. Securities, or derivatives thereof, of this company are owned either directly by the securities analyst or an affiliate, covering the stock, or a member of his/her team, or indirectly by the household family members.
5. An officer, or a household family member of an officer, of GMD or an affiliate, is a director or an officer of the company.
6. GMD, or an affiliate, beneficially owns 1% or more of any class of this company(ies) common equity.

Applicable disclosures No Disclosure

© 2018 Global Menkul Değerler A.Ş.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior consent of Global Menkul Değerler A.Ş.

