

**Türkiye Halk Bankası Anonim Şirketi
And Its Subsidiaries**

Consolidated Financial Statements
As at and For the Year Ended
31 December 2021
With Independent Auditors' Report Thereon

Türkiye Halk Bankası Anonim Şirketi and Its Subsidiaries

TABLE OF CONTENTS

	Page
Consolidated statement of financial position	1
Consolidated statement of profit or loss and other comprehensive income	2-3
Consolidated statement of changes in equity	4
Consolidated statement of cash flows	5
Notes to the consolidated financial statements	6-77

INDEPENDENT AUDITOR'S REPORT

To the General Assembly of Türkiye Halk Bankası A.Ş.

Qualified Opinion

We have audited the consolidated financial statements of Türkiye Halk Bankası A.Ş. (the “Bank”) and its subsidiaries (the “Group”), which comprise the consolidated statement of financial position as at 31 December 2021, and the consolidated statement of profit or loss and other comprehensive income, consolidated statement of changes in equity and consolidated statement of cash flows for the year then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, except for the effects of the matters described in the Basis for Qualified Opinion section of our report, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of the Group as at 31 December 2021, and its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards (“IFRSs”).

Basis for Qualified Opinion

The Group reclassified the government bonds amounting to TRY 18.965.006 thousand, which were previously classified under financial assets at fair value through other comprehensive income according to the business model prepared in accordance with IFRS 9, into financial assets measured at amortised cost and reversed the marketable securities revaluation fund accumulated under other comprehensive income or loss to be reclassified through profit or loss amounting to TRY 2.229.977 thousand on 23 May 2018. The reclassification constitutes a departure from IFRS 9. The government bonds reclassified into financial assets measured at amortised cost as at 31 December 2021 amounted to TRY 24.842.952 thousand. If such classification were not made, total assets and shareholders’ equity excluding tax effect would be lower by TRY 3.862.373 thousand as at 31 December 2021.

We conducted our audit in accordance with International Standards on Auditing (“ISAs”). Our responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Consolidated Financial Statements* section of our report. We are independent of the Group in accordance with the International Ethics Standards Board for Accountants’ *Code of Ethics for Professional Accountants* (the “IESBA Code”), and we have fulfilled our other ethical responsibilities in accordance with the IESBA Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of Matter

On 15 October 2019, the US Department of Justice, United States Attorney Southern District of New York indicted the Parent Bank in the Southern District of New York Court (“District Court”) for the alleged violations of Iranian sanctions. This criminal case is pending at the District Court. The proceedings are stayed as the Parent Bank requests an appeal on the “Foreign Sovereign Immunity Act” (“FSIA”) decision. The process is currently at the stage of appealing in the US Supreme Court.

In addition, a civil case was filed against the Parent Bank on 27 March 2020, with a claim for damages by plaintiffs in the Southern District of New York Court “on the grounds that they (plaintiffs) could not collect their judgments from Iran due to the violations of sanctions.” District Court dismissed the case. Plaintiffs have appealed the decision to the US Court of Appeals for the Second Circuit. The appeal is pending.

At this stage, the Parent Bank's Management stated that there is no penalty, compensation, sanction or other measure arising from the pending criminal and civil cases against the Parent Bank. There is an uncertainty if any decisions will be made by the US authorities that may adversely affect the financial position of the Parent Bank. No provision has been made in the accompanying consolidated financial statements related to these matters. However, the above mentioned matters do not affect the opinion provided by us.

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Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Key Audit Matter	How the matter was addressed in the audit
<p><i>Impairment of loans in accordance with IFRS 9</i></p> <p>Impairment of loans and receivables is a key area of judgement for the management. The Group has the total loans and receivables amounting to TRY 563.737.350 thousand, which comprise 61% of the Group's total assets in its consolidated financial statements and the total provision for impairment amounting to TRY 24.221.311 as at 31 December 2021.</p> <p>The Group recognizes provisions for impairment in accordance with the IFRS 9 requirements. The related accounting policies are explained in detail in the Note 4.15. The expected credit loss estimates are required to be unbiased, probability-weighted and should include supportable information about past events, current conditions, and forecasts of future economic conditions.</p> <p>The Group exercises significant decisions using judgement, interpretation and assumptions over calculating loan impairments. These judgements, interpretations and assumptions are key in the development of the financial models built to measure the expected credit losses on loans.</p> <p>There is a potential risk of impairment losses/provisions provided/will be provided may not meet the requirements of the IFRS 9. Failure in determining the loans and receivables that are impaired and not recording the adequate provision for these impaired loans is the aforementioned risk. Accordingly, impairment of loans is considered as a key audit matter.</p> <p>Related explanations relating to the impairment of loans and receivables are presented in Note 11.</p>	<p>As part of our audit work, the following procedures were performed:</p> <p>We assessed and tested the design, implementation and operating effectiveness of key controls applied by the Group with respect to classification of loans and determination and calculation of impairments. Our information system experts also participated to perform these procedures.</p> <p>We read and analysed the relevant contract terms to assess management's accounting policy and classification of the instrument for selected samples.</p> <p>We have performed audit procedures on selected samples of loans and receivables with the objective of identifying whether the loss event had occurred and whether the provision for impairment has been recognized in a timely manner within the framework of the provisions of the relevant legislation.</p> <p>We have tested relevant inputs and assumptions used by the management considering the effects of the Covid-19 outbreak in each stage of the expected credit loss calculation by considering whether those appear reasonable, the relationship between the assumptions and whether the assumptions are interdependent and internally consistent, whether the assumptions appropriately reflect current market information and collections, and whether the assumptions appear reasonable when considered collectively with other assumptions, including those for the same accounting estimates and those for other accounting estimates.</p> <p>We have tested historical loss data to validate the completeness and accuracy of key parameters.</p> <p>We tested the application of the model to the relevant inputs and the mathematical integrity of each stage of the expected credit loss calculation.</p> <ul style="list-style-type: none"> Based on our discussions with the Group management, we evaluated whether the key assumptions and other judgements, including the effects of Covid-19, underlying the estimations of impairments were reasonable. <p>Our specialists are involved in all procedures related to models and assumptions.</p> <p>We have reviewed disclosures made within the IFRS 9 framework in the consolidated financial statements of the Group with respect to loans and receivables and related impairment provisions.</p>

Key Audit Matter	How the matter was addressed in the audit
<p>Valuation of Pension Fund Obligations</p> <p>Defined benefit pension plan that the Bank provides to its employees is managed by Türkiye Halk Bankası AŞ Emekli Sandığı Vakfı and T.C. Ziraat Bankası ve T. Halk Bankası Çalışanları Emekli Sandığı Vakfı (“Plan”) which were established by the 20th provisional article of the Social Security Law numbered 506 (“Law”).</p> <p>As disclosed in Note 4.18 to the consolidated financial statements, the Plan is composed of benefits which are subject to transfer to the Social Security Foundation (“SSF”) as per the Social Security Law no.5510 provisional article 20, and other social rights and pension benefits provided by the Bank that are not transferable to the SSF. The Council of Ministers has been authorized to determine the transfer date. Following the transfer, the funds and the institutions that employ the funds’ members will cover the non-transferable social rights and pension benefits provided under the Plan even if it is included in foundation deed.</p> <p>As of 31 December 2021, the Bank’s transferrable liabilities are calculated by an independent actuary using the actuarial assumptions regulated by the Law, and in accordance with the Decision of the Council of Ministers announced in the Official Gazette dated 15 December 2006 and No.26377. The valuation of the Plan liabilities requires judgment in determining appropriate assumptions such as defining the transferrable social benefits, discount rates, salary increases, inflation levels, demographic assumptions, and the impact of changes in the Plan. Management uses expert opinion of the independent actuary in assessing uncertainties related to these underlying assumptions and estimates.</p> <p>As described in Note 26 the subjectivity of key judgments and assumptions, plus the uncertainty around the transfer date and basis of the transfer calculation given the fact that the technical interest rate is prescribed under the Law, we considered this a key audit matter.</p>	<p>Our audit work included the following procedures:</p> <p>We involved external experts (actuary) in our audit team to evaluate the assumptions used in the calculation of the pension obligations and the appropriateness of the estimates.</p> <p>It has been tested whether the plan assets meet plan obligations in accordance with the methods and assumptions used.</p> <p>In addition, reconciliations and tests were carried out through sampling of the accuracy of the data provided to the Bank’s actuary.</p> <p>We have assessed whether there is a significant change in the actuarial assumptions, methods, legal regulations and legislation used in the calculations and whether the assumptions are reasonable. In addition, we have reviewed the sufficiency of disclosures prepared with this regard.</p>
<p>Information technologies audit</p> <p>The Group and its finance functions are dependent on the IT-infrastructure for the continuity of its operations, and the demand for technology-enabled business services is rapidly growing in the Group and its subsidiaries. Controls over reliability and continuity of the electronic data processing are within the scope of the information systems internal controls audit. The reliance on information systems within the Group means that the controls over access rights, continuity of systems, privacy and integrity of the electronic data are critical and found to be key area of focus as part of our risk-based scoping.</p>	<p>Procedures within the context of our information technology audit work:</p> <ul style="list-style-type: none"> • We identified and tested the Group's controls over information systems as part of our audit procedures. • Information generation comprise all layers of information systems (including applications, networks, transmission systems and database). The information systems controls tested are categorized in the following areas: <ul style="list-style-type: none"> • Security Management • Change Management • Data Centre and Network Operations Management • We selected high-risk areas as, database logging and change management control activities, to prevent and detect whether accesses to financial data had been identified in a timely manner.

	<ul style="list-style-type: none">• We tested the accesses and logging controls underlying all applications that have direct or indirect impacts on financial data generation.• Automated controls and integration controls were tested to underly and detect changes and accesses in the process of financial data generation.• We also tested the appropriateness and accuracy of the information produced by the entity and information used in controls reports as inputs to our controls and outputs generated by the IT components.• Finally, we understood and tested the controls over database, network, application and operating system layers of applications.
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Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

Group Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with IFRSs, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Group's financial reporting process.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.



- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner on the audit resulting in this independent auditor's report is Mjde Aslan.

DRT BAĐIMSIZ DENETİM VE SERBEST MUHASEBECİ MALİ MŞAVİRLİK A.Ş.
Member of **DELOITTE TOUCHE TOHMATSU LIMITED**

Mjde Aslan
Partner

Istanbul, 12 August 2022

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
CONSOLIDATED STATEMENT OF FINANCIAL POSITION
AS OF 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

	Notes	31 December 2021	31 December 2020
Assets			
Cash on hand	8	7.413.148	5.063.008
Balances with Central Bank	9	52.080.654	35.669.040
Reserve deposits at Central Bank	9	66.519.910	24.244.434
Due from banks	10	4.538.525	2.933.647
Financial assets at fair value through profit or loss		34.236.989	18.070.945
- Securities		378.986	224.038
- Derivative financial instruments	27	8.988.895	2.347.282
- Collaterals of borrowed securities	29	24.869.108	15.499.625
Loans and receivables	11	539.516.039	444.939.405
Insurance premium receivables	13	93.657	46.369
Investment securities:		202.064.151	145.400.166
- Debt and other instruments at FVTOCI	12	68.902.195	60.606.214
- Debt and other instruments at amortised cost	12	133.161.956	84.793.952
Investment in equity-accounted investees	14	1.179.962	697.905
Property and equipment	15	7.110.602	5.604.069
Intangible assets	16	680.116	638.708
Non-current assets held for sale	17	2.481	1.441
Investment properties	19	1.373.817	1.207.261
Current Tax Asset	25	2.013	338.025
Deferred tax assets	25	452.317	197.987
Other assets	20	13.630.625	10.529.410
Total assets		930.895.006	695.581.820
Liabilities			
Deposits from banks	21	64.054.408	35.065.854
Deposits from customers	21	583.374.877	432.995.974
Obligations under repurchase agreements	22	33.429.150	33.960.448
Loan and advances from banks	23	17.737.106	16.871.825
Interbank money market borrowings	24	106.605.595	70.642.164
Derivative financial instruments	27	2.470.437	534.225
Debt securities issued	28	8.176.772	14.245.422
Borrowed securities	29	24.869.108	15.499.625
Subordinated liabilities	28	21.643.352	14.860.588
Insurance contract liabilities	13	206.379	93.638
Lease liabilities		1.056.835	893.774
Provisions	26	3.507.455	2.139.947
Income tax payables	25	78.491	-
Deferred tax liabilities	25	2.152	333.904
Other liabilities	26	20.462.730	15.294.717
Total liabilities		887.674.847	653.432.105
Equity			
Share capital	30	3.801.960	3.801.960
Share premium		5.815.863	5.815.863
Reserves	31	3.785.836	5.239.586
Retained earnings		29.534.816	27.028.926
Total equity attributable to equity holders of the Bank		42.938.475	41.886.335
Non-controlling interests		281.684	263.380
Total equity		43.220.159	42.149.715
Total liabilities and equity		930.895.006	695.581.820

The notes on pages 6 to 77 are an integral part of these consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
CONSOLIDATED STATEMENT OF PROFIT OR
LOSS AND OTHER COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

	<i>Notes</i>	1 January - 31 December 2021	1 January - 31 December 2020
Interest income:			
-Interest income on loans		54.577.733	38.299.040
-Interest income on securities		27.853.970	15.337.624
-Interest income on finance leases		440.076	366.211
-Interest income on deposits at banks		1.287.387	280.337
-Interest income on other money market placements		106.931	47.629
-Other interest income		548.148	398.338
		84.814.245	54.729.179
Interest expense:			
-Interest expense on deposits		(42.067.453)	(22.370.782)
-Interest expense on other money market deposits		(17.743.935)	(8.798.676)
-Interest expense on borrowings		(385.278)	(427.462)
-Interest expense on debt securities issued		(3.300.097)	(2.480.878)
-Interest expense on finance leases		(110.553)	(77.732)
-Other interest expense		(471.822)	(1.041.830)
		(64.079.138)	(35.197.360)
Net interest income		20.735.107	19.531.819
Fees and commission income	36	6.254.189	3.922.178
Fees and commission expenses	36	(1.730.068)	(1.032.229)
Net fee and commission income		4.524.121	2.889.949
Net trading income from securities		67.410	100.666
Net trading income / (loss) from derivative financial instruments		18.541.329	2.731.597
Foreign exchange gain / (losses), net		(25.905.002)	(8.045.276)
Net impairment losses on financial assets		(5.822.521)	(6.911.627)
Income from insurance operations		127.860	84.599
Cost of insurance operations		(82.283)	(17.195)
Dividend income		4.051	4.960
Other operating income	34	817.825	897.321
Other operating expenses	35	(10.514.487)	(8.544.895)
Other provision expense		(36.293)	(18.161)
Operating profit		2.457.117	2.703.757
Share of profit of equity-accounted investees		23.907	25.498
Profit before income tax		2.481.024	2.729.255
Income tax charge	25	25.757	(595.477)
Profit for the year from continuing operations		2.506.781	2.133.778
Profit for the year from discontinuing operation	18	-	938.770
Net profit for the year		2.506.781	3.072.548
Other comprehensive income			
Items that will be never classified to profit or loss:			
Re-measurement of employee termination benefits		(417.291)	(98.012)
Revaluation differences of property and equipment		619.526	448.027
Other		(2.440)	4.802
Related tax		41.655	(3.694)
Items that may be reclassified subsequently to profit or loss:			
Fair value reserve (Debt and other instruments at FVTOCI):			
Change in fair value		(1.879.899)	(837.447)
Amount transferred to profit or loss		27.345	14.398
Foreign currency translation differences		(134.384)	3.776
Related tax		329.827	126.731
Other comprehensive income for the period, net of tax		(1.415.661)	(341.419)
Total comprehensive income for the period		1.091.120	2.731.129

The notes on pages 6 to 77 are an integral part of these consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
CONSOLIDATED STATEMENT OF PROFIT OR
LOSS AND OTHER COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

	<i>Notes</i>	1 January - 31 December 2021	1 January - 31 December 2020
Profit attributable to:			
Equity holders of the Bank		2.498.294	3.065.325
Non-controlling interests		8.487	7.223
Profit for the period		2.506.781	3.072.548
Total comprehensive income attributable to:			
Equity holders of the Bank		1.082.633	2.723.906
Non-controlling interests		8.487	7.223
Total comprehensive income for the period		1.091.120	2.731.129
Basic earnings per share (for full TRY per share)	32	1,0099	1,5334

The notes on pages 6 to 77 are an integral part of these consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
CONSOLIDATED STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR END 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

	Notes	Total equity attributable to equity holders of the Bank					Total	Non-controlling interests	Total equity
		Share capital	Share Premium	Reserves		Retained earnings			
				Fair value reserves	Other reserves				
Balances at 1 January 2020		2.578.184	39.773	325.065	5.196.435	23.732.590	31.872.047	287.253	32.159.300
Total comprehensive income for the period									
Net profit for the period		-	-	-	-	3.065.325	3.065.325	7.223	3.072.548
Other comprehensive income, net of tax									
Re-measurements of defined benefit plans, net of tax		-	-	-	(78.410)	-	(78.410)	-	(78.410)
Fair value reserve (Debt and other instruments at FVTOCI):									
Net change in fair value		-	-	(705.914)	-	-	(705.914)	-	(705.914)
Net amount transferred to profit or loss		-	-	14.398	-	-	14.398	-	14.398
Revaluation differences of property and equipment		-	-	-	424.731	-	424.731	-	424.731
Foreign currency translation differences		-	-	-	3.776	-	3.776	-	3.776
Total other comprehensive income		-	-	(691.516)	350.097	-	(341.419)	-	(341.419)
Total comprehensive income for the period		-	-	(691.516)	350.097	3.065.325	2.723.906	7.223	2.731.129
Transactions with the owners, recorded directly in equity									
Transfers to other reserves	31	-	-	-	-	-	-	-	-
Dividends to equity holders	31	-	-	-	-	(1.404)	(1.404)	1.404	-
Issuance of Share Capital		1.223.776	5.776.224	-	-	-	7.000.000	-	7.000.000
Changes in ownership interests in subsidiaries									
Change in non-controlling interests without a change in control		-	-	-	59.505	-	59.505	-	59.505
Other		-	(134)	-	-	232.415	232.281	(32.500)	199.781
Balances at 31 December 2020		3.801.960	5.815.863	(366.451)	5.606.037	27.028.926	41.886.335	263.380	42.149.715
Balances at 1 January 2021		3.801.960	5.815.863	(366.451)	5.606.037	27.028.926	41.886.335	263.380	42.149.715
Total comprehensive income for the period									
Net profit for the period		-	-	-	-	2.498.294	2.498.294	8.487	2.506.781
Other comprehensive income, net of tax									
Re-measurements of defined benefit plans, net of tax		-	-	-	(334.128)	-	(334.128)	-	(334.128)
Fair value reserve (Debt and other instruments at FVTOCI):									
Net change in fair value		-	-	(1.552.512)	-	-	(1.552.512)	-	(1.552.512)
Net amount transferred to profit or loss		-	-	27.345	-	-	27.345	-	27.345
Revaluation differences of property and equipment		-	-	-	578.018	-	578.018	-	578.018
Foreign currency translation differences		-	-	-	(134.384)	-	(134.384)	-	(134.384)
Total other comprehensive income		-	-	(1.525.167)	109.506	-	(1.415.661)	-	(1.415.661)
Total comprehensive income for the period		-	-	(1.525.167)	109.506	2.498.294	1.082.633	8.487	1.091.120
Transactions with the owners, recorded directly in equity									
Transfers to other reserves	31	-	-	-	-	-	-	-	-
Dividends to equity holders	31	-	-	-	-	(891)	(891)	891	-
Issuance of Share Capital		-	-	-	-	-	-	-	-
Changes in ownership interests in subsidiaries									
Change in non-controlling interests without a change in control		-	-	-	(38.089)	8.487	(29.602)	-	(29.602)
Other		-	-	-	-	-	-	8.926	8.926
Balances at 31 December 2021		3.801.960	5.815.863	(1.891.618)	5.677.454	29.534.816	42.938.475	281.684	43.220.159

The notes on pages 6 to 77 are an integral part of these consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
CONSOLIDATED STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

	<i>Notes</i>	1 January - 31 December 2021	1 January - 31 December 2020
Cash flows from operating activities			
Profit for the period		2.506.781	3.072.548
Adjustments for:			
Depreciation and amortisation	35	688.384	662.127
Net impairment loss on loans and advances	11	11.760.866	6.959.410
Net interest income		(20.735.107)	(19.531.819)
Dividend income		(4.051)	(4.960)
Provision for employee termination benefits	35	181.627	119.367
Net gain on sale of property and equipment		(404.285)	(316.265)
Share of profit of equity-accounted investees		(23.907)	(25.498)
Income tax expense	25	(25.757)	595.477
		(6.055.449)	(8.469.613)
Change in financial assets at fair value through profit or loss		(9.520.702)	581.561
Change in due from banks		(115.480)	-
Change in loans and advances		(26.523.151)	(145.850.059)
Change in other assets		(51.684.893)	(10.653.401)
Change in deposits from banks		16.477.100	7.366.126
Change in deposits from customers		65.648.431	160.055.469
Change in loans and advances from banks		3.181.246	(1.350.472)
Change in other liabilities		23.519.564	57.820.844
Interest received		66.829.360	45.845.461
Interest paid		(62.211.565)	(34.737.175)
Income tax paid		(479.404)	(1.239.147)
Employee termination benefits paid	26	(40.970)	(45.482)
Net cash used in operating activities		19.024.087	69.324.112
Cash flows from investing activities			
Acquisitions of joint ventures, associates and subsidiaries		(57.435)	(183.498)
Proceeds from sale of joint ventures, associates and subsidiaries		-	225.190
Acquisitions of FVTOCI investment securities		(9.217.105)	(58.930.404)
Proceeds from sale of FVTOCI investment securities		3.189.231	10.889.499
Acquisitions of amortised cost investment securities		(23.878.099)	(19.468.313)
Proceeds from sale of amortised cost investment securities		10.839.704	17.561.792
Acquisitions of property and equipment		619.630	(936.919)
Proceeds from sale of property and equipment		2.160.137	1.650.255
Dividends received		4.051	4.960
Other cash (used in)/provided from investing activities		(270.344)	(563.799)
Net cash (used in)/provided from investing activities		(16.610.230)	(49.751.237)
Cash flows from financing activities			
Proceeds from issue of debt securities		12.527.707	13.855.727
Cash used for repayment of debt securities		(17.927.019)	(20.198.723)
Share capital issued		-	7.000.000
Repayment of the lease liabilities		(232.836)	(222.702)
Net cash provided from financing activities		(5.632.148)	434.302
Net increase/(decrease) in cash and cash equivalents		(3.218.291)	20.007.177
Cash and cash equivalents at 1 January		42.703.668	24.293.513
Effect of change in currency rate fluctuations on cash held		24.031.077	(1.597.022)
Cash and cash equivalents at the end of the year		63.516.454	42.703.668

The notes on pages 6 to 77 are an integral part of these consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

1. Activities of the Bank and the Group

Türkiye Halk Bankası Anonim Şirketi (the “Bank” or “Halkbank”) began its operations in accordance with the law no: 2284 in 1938 and still continues its activities as a public commercial bank. As of 31 December 2021, the Bank operates with a total of 1.023 branches consisting of 1.018 domestic and 5 foreign branches that are 4 in Turkish Republic of Northern Cyprus (“TRNC”) and 1 in Bahrain. Domestic branches include 33 satellite branches. The Bank has also 3 representative offices that are 1 in England, 1 in Singapore and 1 in Iran. The operations of Türkiye Halk Bankası AŞ and subsidiaries (the “Group”) consists of banking, securities, financial leasing, factoring services, brokerage and insurance services provided primarily to local customers. The consolidated financial statements of the Group include the accounts of the Bank, Halk Yatırım Menkul Değerler AŞ, Halk Finansal Kiralama AŞ, Halk Banka AD, Skopje, Halk Gayrimenkul Yatırım Ortaklığı AŞ, Halk Faktoring AŞ, Halkbank A.D., Beograd, Halk Varlık Kiralama AŞ, Halk Osiguruvanje AD, Skopje.

As per the Higher Council of Privatization decision numbered 2006/69 dated 11 August 2006, the state shares were transferred to the Privatization Administration and 99,9% of the Bank shares were decided to be sold before 25 May 2008 using the block sale method. 13th Department of Council of State with its decision numbered 2006/4258 dated 29 November 2006 decided to cease the execution of the High Council of Privatization’s decision numbered 2006/69 dated 11 August 2006.

The first phase of the privatization process of the Bank corresponding to 24,98% was completed in the first week of May 2007 and Halkbank shares were started to be traded on Borsa İstanbul (BIST) as of 10 May 2007.

The second phase of the privatization process of the Bank corresponding to 23,92% of the shares that were previously held by the Privatization Administration was completed on 21 November 2012 and after the second public offering and privatization, the 48,90% of the Bank shares have been traded on BIST.

The shares belonging to the T.C. Prime Ministry Privatization Administration were transferred to the Türkiye Varlık Fonu on 10 March 2017 pursuant to the Decree of the Higher Council for Privatization No. 2017/1 dated 3 February 2017.

The Bank established Halk Gayrimenkul Yatırım Ortaklığı AŞ (“Halk GYO”) in 2010. Halk GYO’s main line of business is, to form and improve real estate portfolios and to invest in real estate based capital market instruments. Its main operative target is, based on the Capital Markets Board’s (“CMB”) regulation regarding the real estate investment trusts, to invest in capital market instruments based on real estates, real estate projects and rights based on real estates. 28% shares of Halk GYO started to be traded on BIST at 22 February 2013.

Halk Finansal Kiralama AŞ (“Halk Leasing”), was an associate of the Bank with 47,75% of the shares and accounted for according to the equity method until 27 May 2011. The Group obtained the control of Halk Leasing by acquiring 52,24% of the shares and voting interests in the company as of 27 May 2011. As a result, the Group’s equity interest in Halk Leasing has increased from 47,75% to 99,99%. Halk Leasing was established in September 1991 in Turkey and operates under the provisions of the Turkish financial leasing law number 3226.

Halk Banka AD Skopje, formerly Export and Credit Bank AD Skopje is a subsidiary of the Bank. The Group obtained the control of Halk Banka AD, Skopje by acquiring 98,12% of the shares and voting interests of the company as of 8 April 2011 and 8 August 2011. Halk Banka AD Skopje has taken over Ziraat Banka AD Skopje which was a subsidiary of Turkish state bank that operating in Macedonia, through the merger as of 1 October 2012. As a result, the Group’s equity interest in Halk Banka AD, Skopje has increased from 98,12% to 98,78% and as at 31 December 2016 it is 99,03%. Halk Banka AD, Skopje is operating in the Republic of Macedonia. Between 1 January – 31 December 2018, the Bank paid TRY 53.864 for 0,13% shares of Halkbank A.D. Skopje increased its shares to 99,17%. Its main activities include commercial lending, receiving of deposits, foreign exchange deals, and payment operation services in the country and abroad and retail banking services. In addition, the Company has been engaged in insurance activities through Halk Osiguruvanje purchased on 28 January 2019. Between 1 January – 31 December 2019, Halk Banka Skopje AD acquired 100% shares of Halk Osiguruvanje A.D. amounting to TRY 19,346.

Halk Faktoring AŞ (“Halk Faktoring”), a subsidiary of the Bank established in 2012, was registered on 6 June 2012. Halk Faktoring’s main line of business is to provide factoring services that include legitimate commercial lending for all domestic and international trade operations.

Halk Yatırım Menkul Değerler AŞ (“Halk Yatırım”), was set up in 1997 to carry out capital markets activities, to purchase and sell capital markets instruments, and to execute stock exchange transactions. The company became a subsidiary in early 2006 when Halkbank bought the shares of Türkiye Halk Bankası Personnel Provident Fund.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

1. Activities of the Bank and the Group (continued)

The Bank obtained the control of Halkbank AD, Beograd by acquiring 76,76% of the shares and voting interests of the company as of 28 May 2015. Its main activities include commercial lending, accepting deposits, foreign exchange transactions, and payment operation services in the country and abroad and retail banking services. On the date of 24 November 2015 Bank’s share has increased into 82,47% by the increase of its capital. As of 31 December 2017, The Bank paid TRY 14.894 for 17,42% shares of Halkbank A.D. Beograd and increased its shareholding 99,89%. Between 1 January - 31 December 2018, the Bank paid TRY 202.726 for 0,11% shares of Halkbank A.D. Beograd increased its shares to 99,99%.

Halk Varlık Kiralama A.Ş. (“Halk Varlık”) was established on 3 October 2017 with the purpose of issuing “Lease Certificate” in accordance with the Capital Markets Board Law No. 6362, the CMB Communiqué and the related regulations of the CMB.

2. Statement of compliance

The consolidated financial statements have been prepared in accordance with International Financial Reporting Standards (IFRSs). The consolidated financial statements were authorised for issue by the Board of Directors.

3. Basis of preparation

These consolidated financial statements are presented in Turkish Lira (“TRY”), which is the Bank’s functional currency. Except as otherwise indicated, financial information presented in TRY has been rounded to the nearest thousand.

The consolidated financial statements are prepared on the historical cost basis as adjusted for the effects of inflation that lasted until 31 December 2005, except for the items presented on a fair value basis that are financial assets at fair value through profit or loss, derivative financial assets and liabilities, FVTOCI investment securities whose fair value can reliably be measured and buildings whose fair value can reliably be measured by an independent appraiser.

Effects of COVID 19

In 2019, a new type of coronavirus (COVID-19) which emerged in Wuhan city of China, caused fatal respiratory diseases all over the world and named as a global outbreak by the World Health Organization on 11 March 2020. Various measures have been taken all over the world in order to avoid the negative effects of the disease that has become a pandemic, and due to the measures taken, there have been a recession in economies.

In order to be protected from the effects of the pandemic, “the Banking Regulation and Supervision Agency (“BRSA”), Central Bank of Republic of Turkey (“CBRT”), The Banks Association of Turkey (“TBA”) and CMB have taken various decisions regarding the banking sector in our country. These measures, which closely concern the banking sector, are listed below in general.

1. With the regulation made by the BRSA on 17 March 2020 in Regulation on Provisions, the delinquency period for the classification of loans as non-performing has been extended from 90 days to 180 days until 31 December 2020 and Expected Credit Loss provisions for the loans classified as Second Group Loans Under Close Monitoring within the scope of IFRS 9 are decided to be continued according to the banks’ own risk models. According to decision made by the BRSA on 8 December 2020 and 17 June 2021, the period for the classification of loans has been extended to 30 September 2021. With the decision of the Banking Regulation and Supervision Agency dated 16 September 2021, it was decided to terminate the related application as of the end of 30 September 2021, however, the aforementioned application will continue in the same way for loans with a delay period of more than 91 days and not exceeding 180 days as of 1 October 2021. As of 31 December 2021, the above mentioned application was terminated and the due day period became 90 days for all loans.

2. With the regulation made by the CBRT on 17 March 2020, the FX Reserve Requirement ratios were reduced by 500 basis points for banks that meet the real loan growth conditions. With the regulation made by the CBRT on 27 November 2020, the loan growth rate conditions were abolished as of the establishment date of 25 December 2020, and the same rates were applied to all banks.

3. With the decision made by the TBA on 19 March 2020, it has been recommended that loan demands of the affected firms should be swiftly evaluated and met, credit access and terms should be improved, credit channels should be maintained, and a certain flexibility should be introduced in terms of due dates, instalments and assurances regarding the clients whose income-expenditure balance is affected by the pandemic outbreak.

4. In the regulation valid until 31 December 2020 and issued on 23 March 2020 by BRSA, it is stated that negative valuation differences arising related to securities at Fair Value through Other Comprehensive Income which obtained

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

3. Basis of preparation (continued)

Effects of COVID 19 (continued)

before 23 March 2020 may not be taken into account in the equity calculation to be used in the CAR calculation, and impairment provisions arising from the securities owned by Banks may not be taken into account in the foreign currency net general position calculation. In accordance with the regulation dated 8 December 2020 by BRSA, the effective period of these applications is extended to 30 June 2021. With the BRSA Board Decision dated 17 June 2021, it was stated that the relevant regulations were terminated after 30 June 2021.

According to the BRSA Board Decision dated 21 December 2021, in case the net valuation differences of the securities held in the portfolio of Securities at Fair Value Through Other Comprehensive Income as of 21 December 2021 are negative, these differences may not be taken into consideration in the calculation of equity to be used in the calculation of CAR.

5. With the decision of the BRSA dated 26 March 2020, it has been decided to exempt Banks from their obligations to meet the Liquidity Coverage Ratio. With the 9312 numbered decision of the BRSA dated 8 December 2020, it has been decided to terminate the relevant exemption as of 31 December 2020.

6. With the amendments made by the BRSA on the Regulation on Provisions on 27 March 2020, classification period to loans under close monitoring has been extended from 30 days to 90 days until 31 December 2020 and Expected Credit Loss provisions for the loans classified as First Group Loans within the scope of IFRS 9 are decided to be continued according to the banks' own risk models. According to order made by the BRSA on 8 December 2020 and 17 June 2021, the ending date of the related regulation has been extended to 30 September 2021. Banking Regulation and Supervision Agency Decision dated 16 September 2021, it was decided to terminate the related application as of the end of 30 September 2021, but to continue the application in the same way for loans with a delay period of more than 31 days and not exceeding 90 days as of 1 October 2021.

As of 31 December 2021, the relevant regulations were terminated and classification period to loans under close monitoring has become 30 days for all loans.

7. With the Board Resolution dated 16 April 2020 issued by the BRSA, it has been decided that 0% risk weight can be applied to the foreign currency denominated receivables of the Banks from the Republic of Turkey Central Management within the scope of CAR regulation.

8. With the decision to be valid until 31 December 2020, made by the BRSA on 23 March 2020, banks were entitled to use the buying exchange rate used in preparation of financial statements as of 31 December 2019 when calculating the amount subject to credit risk for calculating the revalued amounts as per the Turkish Accounting Standards and related specific reserves, excluding the foreign currency assets measured at historical cost. With the Board Resolution dated 8 December 2020 issued by BRSA, by terminating the previous regulation, a new practice has been issued regarding this calculation to enable using the simple arithmetic average of buying exchange rates of the Central Bank for the last 252 days before the calculation date, and the effective period is extended to 30 June 2021. In accordance with the letter of BRSA dated 14 December 2020, it has been decided that this application is effective as of the date of the Board Resolution dated 8 December 2020. With the BRSA Board Decision dated 17 June 2021, it was stated that the relevant regulations were terminated as of 30 September 2021. With BRSA Decision dated 16 September 2021, it was decided to continue the implementation until a BRSA Decision to the contrary is taken. With the BRSA Board Decision dated 21 December 2021, it has been decided to use the simple arithmetic average of the Central Bank's foreign exchange buying rates for the last 252 business days as of 31 December 2021 starting from 1 January 2022, until a Board decision is taken to the contrary.

9. With the resolution numbered 8998 dated 16 April 2020 by BRSA, banks have been exempted from the obligations to meet 20% legal limit regarding the IRRBB ratio until 31 December 2020. Mentioned exemption has been terminated as of 31 December 2020 with the resolution numbered 9312 dated 8 December 2020.

The Parent Bank has regulated its activities within the scope of the above mentioned decisions.

As regards to the consideration of macroeconomic factors, the Parent Bank regularly evaluates scenario weights and macroeconomic factors in its model and if deemed necessary, makes additional provision through individual assessment due to the fact that the effects of the pandemic are still being experienced.

The possible effects of the outbreak on the Parent Bank's financial statements are regularly monitored by the relevant Units and the Parent Bank Management.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

3. Basis of preparation (continued)

3.1. Use of judgement and estimates

The preparation of the consolidated financial statements in accordance with IFRS requires management to make estimates and assumptions that affect the application of policies and in the measurement of income and expenses in the profit and loss statement and in the carrying value of assets and liabilities in the statement of financial position, and in the disclosure of information in the notes to the financial statements. The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances, the results of which form the basis of making judgments about carrying values of assets and liabilities that are not readily apparent from other sources. The actual results may differ from these estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the year in which the estimate is revised and in any future years affected.

Information about assumptions and estimation uncertainties that have a significant risk of resulting in a material adjustment within the next financial year and about critical judgements in applying accounting policies that have the most significant effect on the amounts recognised in the consolidated financial statements is disclosed below. These disclosures supplement the commentary on financial risk management.

The preparation of financial information requires the use of estimates and judgements about future conditions. In view of the inherent uncertainties and the high level of subjectivity involved in the recognition or measurement of items, highlighted as the ‘critical accounting estimates and judgements’ below, it is possible that the outcomes in the next financial year could differ from those on which management’s estimates are based. This could result in materially different estimates and judgements from those reached by management for the purposes of these financial statements. Management’s selection of accounting policies that contain critical estimates and judgements reflects the materiality of the items to which the policies are applied and the high degree of judgement and estimation uncertainty involved.

Impairment

Regarding the impairment of amortised cost financial assets and financial assets measured at fair value through other comprehensive income (‘FVOCI’), the most significant judgements relate to defining what is considered to be a significant increase in credit risk, determining the lifetime and point of initial recognition of revolving facilities, and in making assumptions and estimates to incorporate relevant information about past events, current conditions and forecasts of economic conditions. A high degree of uncertainty is involved in making estimations using assumptions that are highly subjective and very sensitive to the risk factors. See Note 4.15 – *financial assets*.

An assessment as to whether an investment in sovereign debt is impaired may be complex. In making such an assessment, the Group considers the following factors:

- The market’s assessment of creditworthiness as reflected in the bond yields;
- The rating agencies’ assessments of the creditworthiness;
- The ability of the country to access the capital markets for new debt issuance;
- The probability of debt being restructured resulting in holders suffering losses through voluntary or mandatory debt forgiveness.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

3. Basis of preparation (continued)

3.1. Use of judgement and estimates (continued)

Measurement of fair values

The Group has an established control framework with respect to the measurement of fair values. This includes a team that has overall responsibility for overseeing all significant fair value measurements, including Level 3 fair values, and reports directly to the management.

The team reviews significant unobservable inputs and valuation adjustments. If third party information, such as broker quotes or pricing services, is used to measure fair values, then the team assesses the evidence obtained from the third parties to support the conclusion that such valuations meet the requirements of IFRS, including the level in the fair value hierarchy in which such valuations should be classified.

Significant valuation issues are reported to the Audit Committee.

When measuring the fair value of an asset or a liability, the Group uses market observable data as far as possible. Fair values are categorised into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows.

•Level 1: Assets and liabilities are classified as level 1 if their value is observable in an active market. Such instruments are valued by reference to unadjusted quoted prices for identical assets or liabilities in active markets where the quoted price is readily available, and the price represents actual and regularly occurring market transactions. An active market is one in which transactions occur with sufficient volume and frequency to provide pricing information on an ongoing basis.

•Level 2: Assets and liabilities classified as level 2 have been valued using models whose inputs are observable either directly or indirectly. Valuations based on observable inputs include assets and liabilities such as swaps and forwards which are valued using market standard pricing techniques, and options that are commonly traded in markets where all the inputs to the market standard pricing models are observable.

•Level 3: Assets and liabilities are classified as level 3 if their valuation incorporates significant inputs that are not based on observable market data (unobservable inputs). A valuation input is considered observable if it can be directly observed from transactions in an active market, or if there is compelling external evidence demonstrating an executable exit price. Unobservable input levels are generally determined via reference to observable inputs, historical observations or using other analytical techniques.

If the inputs used to measure the fair value of an asset or a liability might be categorised in different levels of the fair value hierarchy, then the fair value measurement is categorised in its entirety in the same level of the fair value hierarchy as the lowest level input that is significant to the entire measurement.

The Group recognises transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

Further information about the assumptions made in measuring fair values is included in Note 5 –financial instruments.

Critical accounting estimates and judgements:

The majority of valuation techniques employ only observable market data. However, some of the financial instruments are classified on the basis of valuation techniques that feature one or more significant market inputs that are unobservable, and for them the measurement of fair value is more judgemental. An instrument in its entirety is classified as valued using significant unobservable inputs. ‘Unobservable’ in this context means that there is little or no current market data available from which to determine the price at which an arm’s length transaction would be likely to occur. It generally does not mean that there is no data available at all upon which to base a determination of fair value (consensus pricing data may, for example, be used).

3.2. Functional and presentation currency

Functional currency of the Bank and its subsidiaries, which operate in Turkey, is Turkish Lira (TRY). The functional currency of the Bank’s foreign subsidiaries is the respective local currency. Until 31 December 2005, the date at which the Group considers that the qualitative and quantitative characteristics necessitating restatement pursuant to IAS 29 (“Financial Reporting in Hyperinflationary Economies”) were no longer applicable, the financial statements of these companies were restated for the changes in the general purchasing power of TRY based on IAS 29, which requires that financial statements prepared in the currency of a hyperinflationary economy be stated in terms of the measuring unit current at the reporting date and the corresponding figures for previous periods be restated in the same terms.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies

The accounting policies set out below have been applied consistently to all periods presented in these consolidated financial statements and have been applied consistently by the Group entities.

Where necessary, comparative figures are classified to conform with changes in presentation in the current year.

4.1. Basis of consolidation

Subsidiaries

The consolidated financial statements include the accounts of the Bank and the subsidiaries.

Subsidiaries are the entities controlled by the Bank. The control exists if and only if; 1) when the Bank has the power over an affiliate which that power, directly or indirectly, give rights to govern the financial and operating policies of the entity so as to obtain benefits from its activities, 2) exposure, or rights, to variable returns from its involvement with the affiliate, 3) the ability to use its power over the affiliate to affect the amount of its returns.

The Bank reassesses its control power over its subsidiaries if there is an indication that there are changes to any of the three elements of control. The financial statements of subsidiaries are included in the consolidated financial statements from the date that control commences until the date that control ceases.

Companies which the Bank exercises significant influence, but do not have operating and financial control are accounted for using the equity method.

The financial statements of the subsidiaries are prepared for the same reporting year as the Bank, using consistent accounting policies.

The accounting policies of subsidiaries are adjusted when necessary to align them with the policies adopted by the Group. Losses applicable to the non-controlling interest in a subsidiary are allocated to the non-controlling interest even if doing so causes the non-controlling interest to have a deficit balance.

Intra-group balances, and income and expenses arising from intra-group transactions, are eliminated in preparing the consolidated financial statements. Unrealised losses are eliminated in the same way as unrealised gains, but only to the extent that there is no evidence of impairment.

The subsidiaries included in consolidation and effective shareholding percentages of the Group as of 31 December 2021 and 31 December 2020 are as follows:

	Place of incorporation	Direct ownership		Indirect ownership	
		31	31	31	31
		December 2021	December 2020	December 2021	December 2020
Halk Yatırım Menkul Değerler AŞ	Istanbul	100,00%	99,96%	100,00%	99,97%
Halk Gayrimenkul Yatırım Ortaklığı AŞ ⁽¹⁾⁽²⁾	Istanbul	79,33%	79,33%	79,36%	79,36%
Halk Finansal Kiralama AŞ	Istanbul	100,00%	100,00%	100,00%	100,00%
Halk Banka AD, Skopje	Skopje	99,48%	99,40%	99,48%	99,40%
Halk Faktoring AŞ	Istanbul	100,00%	97,50%	100,00%	99,99%
Halk Banka A.D. Beograd	Beograd	100,00%	100,00%	100,00%	100,00%
Halk Varlık Kiralama A.Ş.	Istanbul	100,00%	100,00%	100,00%	100,00%
Halk Osiguruvanje A.D., Skopje	Skopje	-	-	99,48%	99,40%

(1) Halk Gayrimenkul Yatırım Ortaklığı AŞ is valued at stock price.

(2) The Bank’s subsidiary Halk Gayrimenkul Yatırım Ortaklığı AŞ was privatized by a public offering on 22 February 2013 and the shares are traded on the Borsa Istanbul AŞ.

The Bank paid TRY 198.304 and increased its shareholding in Halk Bank AD, Skopje, located in Macedonia, to 99,48% in the period between 1 January - 31 December 2021.

The Bank has increased its share ratio to 100% by purchasing 0,04% of Halk Yatırım Menkul Değerler AŞ for a price of TRY 159.

The Bank made a payment of TRY 300.255 due to the capital increase of Halk Banka A.D., located in Serbia, Beograd.

Halk Banka AD, Skopje, has paid TRY 48.270 due to the capital increase of its subsidiary Halk Osiguruvanje A.D., Skopje.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.1. Basis of consolidation (continued)

Subsidiaries (continued)

The Bank has purchased 2.5% of Halk Faktoring AŞ amounting to TRY 8.223 and increased its share to 100%.

Business combinations

Business combinations are accounted for using the acquisition method as at the acquisition date, which is the date on which control is transferred to the Group. Control is the power to govern the financial and operating policies of an entity so as to obtain benefits from its activities. In assessing control, the Group takes into consideration potential voting rights that currently are exercisable.

Goodwill is measured at the acquisition date as the total of:

- the fair value of the consideration transferred; plus
- the recognised amount of any non-controlling interests in the acquire; plus
if the business combination is achieved in stages, the fair value of the pre-existing equity interest in the acquire; less
- the net recognised amount (generally fair value) of the identifiable assets acquired and liabilities assumed.

When the excess is negative, a bargain purchase gain is recognised immediately in profit or loss.

Acquisitions of non-controlling interests

Acquisitions of non-controlling interests are accounted for as transactions with owners in their capacity as owners and therefore no goodwill is recognised as a result. Adjustments to non-controlling interests arising from transactions that do not involve the loss of control are based on a proportionate amount of the net assets of the subsidiary.

Investments in associates (equity-accounted investees)

Associates are those entities in which the Group has significant influence, but not control, over the financial and operating policies.

Investments in associates are accounted for using the equity method (equity-accounted investees) and are recognised initially at cost. The cost of the investment includes transaction costs.

The consolidated financial statements include the Group’s share of the profit or loss and other comprehensive income, after adjustments to align the accounting policies with those of the Group, from the date that significant influence until the date that significant influence ceases.

The equity-accounted associates of the Group as of 31 December 2021 and 31 December 2020 are as follows:

	Place of incorporation	Shareholding interest	
		31 December 2021	31 December 2020
Demir-Halk Bank NV	Rotterdam	30,00%	30,00%
Kobi Girişim Sermayesi Yatırım Ortaklığı AŞ	Ankara	31,47%	31,47%
Bileşim Finansal Teknolojiker ve Ödeme Sistemleri AŞ	İstanbul	33,33%	33,33%

The reporting dates of the associates and the Group are identical and the associates’ accounting policies conform to those by the Group for similar transactions and events.

4.2 Foreign currency

Foreign currency transactions

Transactions in foreign currencies are translated into Turkish Lira, which is the presentation currency of the Group, using the exchange rates at the dates of the transactions. Monetary assets and liabilities denominated in foreign currencies at the reporting date are retranslated to the functional currency at the exchange rate at that date. The foreign currency gain or loss on monetary items is the difference between amortised cost in the functional currency at the beginning of the year, adjusted for effective interest and payments during the year, and the amortised cost in foreign currency translated at the exchange rate at the end of the year. Non-monetary assets and liabilities denominated in foreign currencies that are measured at fair value are retranslated to the functional currency at the exchange rate at the date that the fair value was determined. Foreign currency differences arising on retranslation are recognised in profit or loss, except for differences arising on the retranslation of FVTOCI, which are recognised directly in equity. Non-monetary items that are measured in terms of historical cost in a foreign currency are translated using the exchange rate at the date of the transaction.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.2 Foreign currency (continued)

Foreign currency transactions (continued)

The Group started to apply fair value hedge accounting as at 1 July 2015 by designating the exchange rate risk of Halkbank AD, Beograd, Demirhalkbank NV and Halkbank AD, Skopje are foreign investments that are recognized under fair value accounting as hedged item, in compliance with “IAS 39 Financial Instruments: Recognition and Measurement”. Accordingly, the effective portion of the foreign exchange differences is recorded under equity in the current period.

Foreign operations

The assets and liabilities of foreign operations, including fair value adjustments arising on acquisition, are translated to TRY at foreign exchange rates ruling at the reporting date. The income and expenses of foreign operations are translated to TRY at exchange rates approximating to the exchange rates at the dates of the transactions.

Foreign currency differences are recognised in other comprehensive income and presented in the foreign currency translation reserve (translation reserve) in equity. However, if the operation is a non-wholly owned subsidiary, then the relevant proportionate share of the translation difference is allocated to the non-controlling interest. When a foreign operation is disposed of such that control, significant influence or joint control is lost, the cumulative amount in the translation reserve related to that foreign operation is reclassified to profit or loss as part of the gain or loss on disposal. When the Group disposes of only part of its interest in a subsidiary that includes a foreign operation while retaining control, the relevant proportion of the cumulative amount is reattributed to non-controlling interest. When the Group disposes of only part of its investment in an associate or joint venture that includes a foreign operation while retaining significant influence or joint control, the relevant proportion of the cumulative amount is reclassified to profit or loss.

Foreign exchange gains and losses arising from a monetary item receivable from or payables to a foreign operation, the settlement of which is neither planned nor likely in the foreseeable future, are considered to form part of a net investment in a foreign operation and are recognised directly in equity in the foreign currency translation reserve.

As at 31 December 2021 and 31 December 2020, foreign currency assets and liabilities of the Group are mainly in US Dollar (“USD”) and EUR. The TRY/USD and TRY/EUR exchange rates as at 31 December 2021 and 31 December 2020 are as follows:

	31 December 2021		31 December 2020	
	Period end	Average	Period end	Average
TRY / USD	13,5165	13,5516	7,4000	7,6656
TRY / EUR	15,3412	15,3216	9,0835	9,3330

4.3 Interest

Interest income and expenses are recognised in the profit or loss using the effective interest method except for the interest income on overdue loans. The effective interest rate is the rate that exactly discounts the estimated future cash payments and receipts through the expected life of the financial asset or liability (or, where appropriate, a shorter period) to the carrying amount of the financial asset or liability. The effective interest rate is established on initial recognition of the financial asset and liability and is not revised subsequently. When calculating the effective interest rate, the Group estimates future cash flows considering all contractual terms of the financial instruments, but not future credit losses.

The calculation of the effective interest rate includes all fees and commissions paid or received transaction costs, and discounts or premiums that are integral part of the effective interest rate. Transaction costs are incremental costs that are directly attributable to the acquisition, issue or disposal of financial assets or liabilities.

Interest income and expenses presented in the consolidated statement of income include:

- interest on financial assets and liabilities at amortised cost calculated on an effective interest rate basis,
- interest on FVTOCI investment securities calculated on an effective interest rate basis,
- interest earned till the disposal of financial assets at fair value through profit or loss.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

4. Significant accounting policies (continued)

4.4 Fees and commission

Commissions received from financial assets are recognised on an effective rate basis over the contractual period and unearned part is presented in other liabilities.

Commissions given for financial liabilities are recognised on a straight-line basis over the contractual period and prepaid part is presented in other assets.

Other fee and commission income, including account servicing fees, investment management fees, sales commission, placement fees and syndication fees, commissions for insurance business are recognised as the related services are performed. When a loan commitment is not expected to result in the draw-down of a loan, loan commitment fees are recognised on a straight-line basis over the commitment period.

Other fee and commission expenses relate mainly to transaction and service fees, which are expensed as the services are received.

4.5 Net trading income

Net trading income includes gains and losses arising from disposals of financial assets at fair value through profit or loss, the disposal of fair value through other comprehensive income financial assets, gains and losses on derivative financial instruments and foreign exchange differences.

4.6 Dividends

Dividend income is recognised when the right to receive the income is established.

4.7 Income tax charge

Income tax charge comprises current and deferred tax. Current and deferred taxes are recognised in profit or loss except to the extent that it relates to items recognised directly in equity or in other comprehensive income.

Current tax is the expected tax payable on the taxable income for the year, using tax rates enacted or substantively enacted at the reporting date, and any adjustment to tax payable in respect of previous years.

Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax is not recognised for the following temporary differences: the initial recognition of assets or liabilities in a transaction that is not a business combination and that affects neither accounting nor taxable profit, and differences relating to investments in subsidiaries and jointly controlled entities to the extent that it is probable that they will not reverse in the foreseeable future. In addition, deferred tax is not recognised for taxable temporary differences arising on the initial recognition of goodwill.

Deferred tax is measured at the tax rates that are expected to be applied to the temporary differences when they reverse, based on the laws that have been enacted or substantively enacted by the reporting date. Deferred tax assets and liabilities are offset if there is a legally enforceable right to offset current tax liabilities and assets, and they relate to income taxes levied by the same tax authority on the same taxable entity, or on different tax entities, but they intend to settle current tax liabilities and assets on a net basis or their tax assets and liabilities will be realised simultaneously.

A deferred tax asset is recognised for unused tax losses, tax credits and deductible temporary differences, to the extent that it is probable that future taxable profits will be available against which they can be utilised. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the related tax benefit will be realised.

The Turkish tax legislation does not permit a parent company and its subsidiaries to file a consolidated tax return. Therefore, provisions for taxes, as reflected in the accompanying consolidated financial statements, have been calculated on a separate-entity basis.

Critical accounting estimates and judgements:

The recognition of a deferred tax asset relies on an assessment of the probability and sufficiency of future taxable profits, future reversals of existing taxable temporary differences and ongoing tax planning strategies. In the absence of a history of taxable profits, the most significant judgements relate to expected future profitability and to the applicability of tax planning strategies, including corporate reorganisations.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.8 Cash and cash equivalents

Cash and cash equivalents comprise cash on hand, unrestricted balances held with central banks and highly liquid financial original maturities of less than three months, which are readily convertible to a known amount of cash and are subject to an insignificant risk of changes in value.

Cash and cash equivalents are carried at amortised cost in the consolidated statement of financial position.

4.9 Repurchase transactions

The Group enters into purchases/sales of investments under agreements to resell/repurchase substantially identical investments at a certain date in the future at a fixed price. Investments purchased subject to commitments to resell them at future dates are not recognised. The amounts paid are recognised as receivables from reverse repurchase agreements in the accompanying consolidated financial statements. The receivables are shown as collateralized by the underlying security. Investments sold under repurchase agreements continue to be recognised in the consolidated statement of financial position and are measured in accordance with the accounting policy for either assets FVTPL, amortised cost or FVTOCI as appropriate. The proceeds from the sale of the investments are reported as obligations under repurchase agreements.

Income and expenses arising from the repurchase and resale agreements over investments are recognised on an accruals basis over the period of the transaction and are included in “interest income” or “interest expenses”.

4.10 Property and equipment

Recognition and measurement

Items of property, plant and equipment except for lands and buildings which are measured at fair value, are measured at cost less accumulated depreciation and any accumulated impairment losses. Beginning from the second quarter of 2015, the Group, has changed its accounting policy for lands and buildings from historical cost method to revaluation method for the lands and buildings. Buildings are stated at fair value as of revaluation date less subsequent accumulated depreciation and subsequent accumulated impairment loss.

Cost includes expenditures that are directly attributable to the acquisition of the asset.

The gain or loss on disposal of an item of property and equipment is determined by comparing the proceeds from disposal with the carrying amount of the item of property and equipment and are recognised net within the other operating income or other operating expenses in profit or loss.

The carrying values of property and equipment are reviewed for impairment when events or changes in circumstances indicate the carrying value may not be recoverable. If any such indication exists and where the carrying values exceed the estimated recoverable amount, the assets of cash generating units are written down to their recoverable amount. The recoverable amount is defined as the amount that is the higher of the asset’s fair value less costs to sell and value in use. Impairment losses are recognised in profit or loss.

Subsequent costs

The cost of replacing a part of an item of property or equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Group and its cost can be measured reliably. The carrying amount of the replaced part is derecognised. The costs of the day-to-day servicing of property and equipment are recognised in profit or loss as incurred.

Depreciation

Depreciation is recognised in profit or loss on a straight-line basis over the estimated useful lives of each part of an item of property and equipment since this most closely reflects the expected pattern of consumption of the future economic benefits embodied in the asset. Leased assets under finance leases are depreciated over the shorter of the lease term and their useful lives. Land is not depreciated.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.10 Property and equipment (continued)

Depreciation (continued)

The estimated useful lives for the current and comparative periods are as follows:

	Useful life
Buildings	50 years
Other tangible assets	3 – 25 years
Leasehold improvements	4 – 5 years
Safes (vaults)	50 years

The residual values, useful lives and depreciation methods are reviewed, and adjusted if appropriate, at each reporting date.

Derecognition

An item of property and equipment is derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss arising on derecognizing of the asset (calculated as the difference between the net disposal proceeds and the carrying amount of the asset) is included in profit or loss in the year the asset is derecognised.

4.11 Investment properties

Investment properties are properties held to earn rentals and/or for capital appreciation. Investment properties in the attached consolidated financial statements that are purchased prior to 1 January 2005 are carried at their 31 December 2004 dated restated costs and property and equipment that are purchased in the subsequent periods are carried at cost, less any accumulated depreciation and any impairment losses. Investment properties are amortized by using the straight line method during their useful lives. Gain or loss arising from the disposal or retirement of an item of property and equipment is determined as the difference between the sales proceeds and the carrying amount of that asset and is recognized in profit or loss.

4.12 Intangible assets

Intangible assets acquired

Intangible assets acquired separately before 1 January 2006 are carried at restated cost for the effects of inflation in TRY units current at 31 December 2005 less accumulated amortisation and impairment losses, and items of intangible assets acquired after 1 January 2006 are carried at acquisition cost less accumulated amortisation and impairment losses. Amortisation is charged on a straight-line basis over their estimated useful lives. Estimated useful life and amortisation method are reviewed at the end of each annual reporting period, with the effect of any changes in the estimate being accounted for on a prospective basis. The related costs are amortised over 5 years based on their economic lives.

Subsequent expenditure

Subsequent expenditure is capitalised only when it increases the future economic benefits embodied in the specific asset to which it relates. All other expenditure, including expenditure on internally generated goodwill and brands, is recognised in profit or loss as incurred.

4.13 Non-current assets held for sale

Certain non-current assets are classified as held for sale if their carrying amount will be recovered principally through a sale transaction rather than through continuing use. This condition is regarded as met only when the sale is highly probable, and the asset is available for immediate sale in its present condition. Management must be committed to the sale, which should be expected to qualify for recognition as a completed sale within one year from the date of classification. Non-current assets classified as held for sale are measured at the lower of carrying value and fair value less costs to sell.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

4. Significant accounting policies (continued)

4.14 Impairment of non-financial assets

The carrying amounts of the Group's non-financial assets, other than deferred tax assets, are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists then the asset's recoverable amount is estimated. For goodwill and intangible assets that have indefinite lives or that one not yet available for use, the recoverable amount is estimated each year at the same time.

The recoverable amount of an asset or cash-generating unit is the greater of its value in use and its fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. For the purpose of impairment testing, assets are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or groups of assets (the "cash-generating unit"). The goodwill acquired in a business combination, for the purpose of impairment testing, is allocated to cash-generating units that are expected to benefit from the synergies of the combination.

An impairment loss is recognised if the carrying amount of an asset or its cash-generating unit exceeds its estimated recoverable amount. Impairment losses are recognised in profit or loss. Impairment losses recognised in respect of cash-generating units are allocated first to reduce the carrying amount of any goodwill allocated to the units and then to reduce the carrying amount of the other assets in the unit (group of units) on a pro rata basis.

An impairment loss in respect of goodwill is not reversed. In respect of other assets, impairment losses recognised in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

4.15 Financial Assets

Financial instruments comprise financial assets, financial liabilities and derivative instruments. The financial assets are included in the balance sheet of the Group, if the Group is a legal party of these financial assets.

Financial assets mainly constitute the majority of the commercial activities and operations of the Group. These instruments have the ability to expose, affect and diminish the risks of liquidity, credit and interest in the financial statements.

Fair value is the amount for which an asset could be exchanged or a liability could be settled, between knowledgeable willing parties in an arm's length transaction. Market value is the amount obtainable from the sale or payable on the acquisition of a financial instrument in an active market, if one exists.

The estimated fair values of financial assets have been determined by the Group using the available market information and appropriate valuation methodologies. However, judgment is necessarily required to interpret market data to develop the estimated fair value. Hence, estimations presented in this report may not be same with the prices in the current market conditions in the case of assets disposals. Book values of some financial assets (which equals to their costs) are assumed to approximate to their fair values due to their short term nature.

Classification of the category of a financial instrument at initial recognition depends on both the business model for managing the financial assets and their contractual cash flow characteristics.

Assessment of Business Model

The Group classifies its financial assets in accordance with IFRS 9 through its business model which is used for financial assets management.

The Group's business model is related with how the Group manages its financial assets to generate cash flows. In other terms, the source of cash flows depends on the Group's business model whether the cash flow is generated from contractual terms or through sale of financial asset or both.

Classification of financial assets is made at initial recognition considering the aim of purchase of the financial asset.

The Group's business models are classified in three main categories in accordance with IFRS 9.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

4. Significant accounting policies (continued)

4.15 Financial Assets (continued)

Assessment of Business Model (continued)

1. A business model whose objective is to hold assets in order to collect contractual cash flows:

A business model whose objective is to hold assets in order to collect contractual cash flows are managed to realise cash flows by collecting contractual payments over the life of the instrument. The purpose of the business model does not require to hold to collect the contractual cash flows of the instruments over their life, even the aim of the business model is to hold the instruments up to maturity for the contractual cash flows. Therefore, even when financial asset sales are anticipated or expected to occur in the future, the business model may still be a model that aims to retain financial assets in order to collect contractual cash flows.

The financial assets that are held within the scope of this business model are measured at amortized cost when the contractual terms of the financial assets meet the condition of giving rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

2. A business model whose objective is achieved by both collecting contractual cash flows and selling financial assets:

The Group may hold financial assets in a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets.

Fair value changes of the financial assets that are held within the scope of this business model are accounted for under other comprehensive income when the contractual terms of the financial asset meet the condition of giving rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

3. Other Business Models:

Financial assets are measured at fair value through profit or loss if they are not held within a business model whose objective is to hold assets to collect contractual cash flows or within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets. The Group makes its decisions on the basis of business model, which is based on the fair value of the assets and manages the assets to obtain their fair value. Therefore, if the financial assets are held for the purpose of obtaining cash flows arising from their sale, the change in fair value are measured at fair value through profit or loss.

Measurement Categories of Financial Assets and Liabilities

As of 1 January 2018, the Group classified all its financial assets based on the business model for managing the financial assets. Accordingly, the financial assets are classified as per IFRS 9 in three main categories listed below:

1. Financial assets measured at amortized cost,
2. Financial assets measured at fair value through other comprehensive income and
3. Financial assets measured at fair value through profit/loss.

IFRS 9, explains how financial assets are classified in accordance with methods explained in Article 1 and 2 and other than these financial assets, remaining financial assets are classified in accordance with the method detailed in Article 3.

In addition, the Bank's securities portfolio includes government bonds indexed to consumer prices (CPI), which are valued and accounted for based on the effective interest method based on the index calculated by taking into account the real coupon rates and the reference inflation index at the issue date and the estimated inflation rate. The reference indices used in the calculation of the actual coupon payment amounts of these assets are generated according to the CPI of previous two months. The Bank determines the estimated inflation rate accordingly. The inflation rate estimated by taking into consideration the expectations of the CBRT and the Bank's expectations is updated during the year when deemed necessary. As of 31 December 2021, the valuation of the related assets was made according to the annual inflation forecast of 36.08%.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.15 Financial Assets (continued)

Measurement Categories of Financial Assets and Liabilities (continued)

1. Financial Assets Measured at Amortised Cost

A financial asset is measured at amortized cost if both of the following conditions are met:

- a) Asset is held within a business model whose objective is to hold financial assets in order to collect contractual cash flows.
- b) Contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Financial assets measured at amortised cost are loans and receivables and financial assets. Subsequent to the initial recognition, financial investments are accounted for at amortised cost calculated by using the effective interest rate method. Loans are initially recognized with their cost and carried at their amortized costs calculated using the internal rate of return subsequent to recognition.

2. Financial Assets Measured at Fair Value Through Other Comprehensive Income

A financial asset is measured if both of the following conditions are met:

- a) Financial asset is held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets and
- b) Contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

A gain or loss on a financial asset measured at fair value through other comprehensive income shall be recognized in other comprehensive income, except for impairment gains or losses and foreign exchange gains and losses, until the financial asset is derecognised or reclassified from equity to profit or loss as a reclassification adjustment at the reclassification date.

3. Financial Assets Measured at Fair Value Through Profit or Loss

The financial assets at the fair value through profit or loss are initially recognized at fair value and remeasured at their fair value after recognition. All gains and losses arising from these valuations are reflected in the income statement. However, the Group may irrevocably prefer to apply to the financial assets at fair value through other comprehensive income for reflecting future changes in fair value for certain investments in equity instruments that would normally be measured at fair value through profit or loss at the time of initial inception in the financial statements.

Cash Equivalents and Banks

Cash and bank balances in foreign currencies are valued by using the Group’s current period end exchange rates. The presented values of cash in TRY, foreign currency cash and banks at balance sheet are the estimated fair values of these assets.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.15 Financial Assets (continued)

Impairment of Financial Assets

As of 1 January 2018, it is recognised a loss allowance for expected credit losses on financial assets and loans measured at amortised cost, financial assets measured at FVTOCI, loan commitments and financial guarantee contracts not measured at FVTPL based on IFRS 9 which came into force starting from 1 January 2018. Financial assets measured at fair value are not assessed for impairment.

As of the reporting date, the Group assesses whether the credit risk on a financial instrument has increased significantly since initial recognition in accordance with IFRS 9. When making the assessment, the Group shall use the change in the risk of a default occurring for the financial instrument.

As of the reporting date, if the credit risk on a financial instrument has not increased significantly since initial recognition, the Group shall measure the loss allowance for that financial instrument at an amount equal to 12 month expected credit losses. However, if there is a significant increase in credit risk of a financial instrument since initial recognition, the Group measures loss allowance regarding such instrument at an amount equal to lifetime expected credit losses.

The Group calculates the expected credit loss on a collective basis by grouping the financial assets having common credit risk features or on an individual basis.

The Group constituted a policy in order to make an assessment whether the credit risk on a financial instrument has increased significantly since initial recognition by taking into consideration the change in the risk of a default event occurring over the expected life of the financial instrument.

Calculation of expected credit losses

A credit loss is present value of calculated difference between the total cash flows that will occur based on the contractual terms of financial instruments and the total cash flows, which the Group expects to collect, with the initial effective interest rate. The Group estimates the cash flows over the expected life of the financial instrument by taking into account all contractual terms of the financial instrument and considers the weighted average of loan losses according to the relevant default risks for determining expected credit losses.

IFRS 9 Financial Instruments Standard allows the calculation of expected credit loss provisions in aggregate or individually by grouping financial assets with common credit risk characteristics. The Group has been collectively and individually calculating and accounting for expected credit loss provisions.

Probability of Default (PD)

It is defined as the probability that the debtor does not fulfil its obligations to the Group or in other words it cannot repay its debts to the Group. This ratio is calculated for each loan based on various statistical assumptions depending on the maturity, internal behavioural model, external behavioural model and financial module data. The probability values take a value between 0 and 1, and as the probability value increases, the likelihood of the credit defaulting increases.

Forward Looking Information

According to IFRS 9 “Financial Instruments”, the Group uses forecast information in the probability of default models. The Group makes estimates and judgments, which are constantly analyzed based on statistical data, actual and forecast information, as well as management experience, including expectations regarding future events that are reasonable in current circumstances. In assessing expected credit losses, the Group takes into account reasonable and confirmed information on current and projected future economic conditions. In this regard, the Group updates projected macroeconomic scenarios, which are taken into account in determining expected credit losses when it is necessary. The Group also updates the risk metrics based on the latest available external and internal statistics for the purposes of determining most relevant probability of default and losses in case of default. In order to reflect objectively the impact of the macroeconomic conditions and in accordance with the recommendations of the IASB and the BRSA, the Group adopted the main approaches to assessing the level of expected credit losses that have the most significant effect on the amounts recorded in the consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

4. Significant accounting policies (continued)

4.15 Financial Assets (continued)

Loss given Default (LGD)

This is the parameter indicates the expected economic loss of the Group if the credit defaults. In the case of the credit defaults and the Group collects the entire amount of the default, LGD is zero, in the case of no collection, LGD is 100% percent. LGD rates are reviewed on a maximum of 1 year basis.

Exposure at Default (EAD)

It is the parameter that indicates how much of a loan will default. The default amount for a spot or instalment loan is the amount, which is listed on the payment schedule at the time of default. Additionally, the default amount for the credit cards and limit gaps of overdraft accounts and non-cash loans, are calculated with a parameter called credit conversion rate (LCR). The default risk amount in the future is estimated by calculating by the statistical methods with the credit conversion rate, since it is not known at the time of loan origination due to undrawn commitment for limit of credit cards and overdraft accounts.

12 Month Probability of Default

It is the estimated probability of default occurring within the next 12 months following the balance sheet date. According to IFRS 9, in the case of that there is no significant increase in credit risk of a financial instrument since its first recognition, the Group shall measure at the provision for loss of the related financial instrument as equal as 12 month expected credit losses.

In the case of a customer or a loan that is classified under Standard Loans (Stage I), the provision for loan is calculated on 365 days even if the maturity of the loan is above 1 year. In the case of maturity of the loan is under 1 year, number of days left to maturity (except revolving loans and credit cards) are used in calculations.

Lifetime Expected Credit Losses

It is the estimated expected credit losses occurring within the next 12 months following the balance sheet date. According to IFRS 9, in the case of that there is no significant increase in credit risk of a financial instrument since its first recognition, the Bank shall measure at the provision for loss of the related financial instrument as equal as 12 month expected credit losses.

In the case of a customer or loan is classified as Stage 2 or Stage 3, the provision for expected credit loss is measured at the lifetime probability of default. Despite the fact that the methods for used calculation for provision of expected credit loss are similar for Stage 2 and Stage 3 loans, the probability of default for Stage 3 credits is accepted as 100%.

IFRS 9 Standard does not include a direct definition of default but requires a consistent definition of default to be used in credit risk management. The Group is considering qualitative indicators (e.g. financial commitments), if appropriate, when defining a default according to IFRS 9, for the purpose of determining the risk of business default and adopts a definition of default, consistent with the definition used for in-house credit risk management purposes for the relevant financial instruments. However, there is a rebuttable presumption that default does not occur later than when a financial asset is 90 days past due unless an entity has reasonable and supportable information to demonstrate that a more lagging default criterion is more appropriate. "The definition of default used for these purposes applies consistently to all financial instruments unless information can be obtained that demonstrates that another definition of default is more appropriate for a particular financial instrument." in line with the Communiqué on Calculation of the Risk Weighted Exposure Amount for Credit Risk by Internal-ratings Based Approaches assumes that debt defaulted if at least one of the following two conditions occurs.

a) Considering that a debtor is unlikely to pay credit obligations to the Bank and to the Bank's consolidated financial subsidiaries without using guarantees

b) Considering that a debt having past due more than 90 days to the Bank or its financial subsidiaries

The expected loan loss provision for the loans classified as non-performing loans (Stage 3) is calculated using the estimation of loss given default (LGD). Aforementioned estimation is based on the historical data on a segment basis and determined by the principal loss charge, being the remaining amount after the collection made within the period after each segment has defaulted.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

4. Significant accounting policies (continued)

4.15 Financial Assets (continued)

Low Credit Risk

IFRS 9 standard states that in some cases, the credit risk on a financial instrument can be calculated as low if the financial instrument has a low risk of default when there is no reliable past default data.

According to IFRS 9, if the entity determines that a financial instrument has a low credit risk as of the reporting date, it assumes that the credit risk on the financial instrument has not increased significantly following its initial recognition in the financial statement. Those transactions in the Group are classified as follows:

- a) Central Bank of the Republic of Turkey (CBRT) transactions (Currencies held in CBRT and reserve requirements)
- b) Securities (Fair value through other comprehensive income and financial assets measured at amortised cost)
- c) Treasury Loans (Transactions with Treasury Republic of Turkey)
- d) Loans guaranteed by Treasury of Republic of Turkey

The Rules of Significant Increase in Credit Risk

Significant increase in credit risk requires measurement of the Group's provision for expected credit losses at lifetime probability of default instead of 12 month expected credit loss. In the event of a significant increase in credit risk since initial recognition, the financial asset is transferred to Stage 2.

Critical accounting estimates and judgements:

In determining ECL, management is required to exercise judgement in defining what is considered to be a significant increase in credit risk and in making assumptions and estimates to incorporate relevant information about past events, current conditions and forecasts of economic conditions. Judgement has been applied in determining the lifetime and point of initial recognition of revolving facilities. The PD, LGD and EAD models, which support these determinations are reviewed regularly in light of differences between loss estimates and actual loss experience, but given that IFRS 9 requirements have only just been applied, there has been little time available to make these comparisons. Therefore, the underlying models and their calibration, including how they react to forward-looking economic conditions, remain subject to review and refinement. This is particularly relevant for lifetime PDs, which have not been previously used in regulatory modelling, and for the incorporation of 'Upside scenarios', that have not generally been subject to experience gained through stress testing. The exercise of judgement in making estimations requires the use of assumptions that are highly subjective and very sensitive to the risk factors, in particular to changes in economic and credit conditions across a large number of geographical areas. Many of the factors have a high degree of interdependency and there is no single factor to which loan impairment allowances as a whole are sensitive.

4.16 Financial liabilities

Financial liabilities and equity instruments issued by the Group are classified according to the substance of the contractual arrangements entered into and the definitions of a financial liability and an equity instrument. An equity instrument is any contract that evidences a residual interest in the assets of the Group after deducting all of its liabilities.

Financial liabilities are classified as either equity instruments or other financial liabilities.

Equity instruments

Equity instruments issued by the Group are recorded at the proceeds received, net of direct issue costs.

Other financial liabilities

Other financial liabilities, including borrowings and deposits are the Group's sources of debt funding.

Borrowings and deposits are initially measured at fair value plus incremental direct transaction costs, and subsequently measured at their amortised cost using the effective interest method.

Borrowing costs that are directly attributable to the acquisition, construction or production of a qualifying asset are capitalized as part of the cost of that asset in the period in which the asset is prepared for its intended use or sale.

All other borrowing costs are recognised in profit or loss in the period in which they are incurred.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.17 Provisions

A provision is recognised if, as a result of a past event, the Group has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and, where appropriate, the risks specific to the liability.

A provision for restructuring is recognised when the Group has approved a detailed and formal restructuring plan, and the restructuring either has commenced or has been announced publicly. Future operating costs are not provided for.

Critical accounting estimates and judgements:

Judgement is involved in determining whether a present obligation exists and in estimating the probability, timing and amount of any outflows. Professional expert advice is taken on the assessment of litigation, property (including onerous contracts) and similar obligations. Provisions for legal proceedings and regulatory matters typically require a higher degree of judgement than other types of provisions. When matters are at an early stage, accounting judgements can be difficult because of the high degree of uncertainty associated with determining whether a present obligation exists, and estimating the probability and amount of any outflows that may arise. As matters progress, management and legal advisers evaluate on an ongoing basis whether provisions should be recognised, revising previous judgements and estimates as appropriate. At more advanced stages, it is typically easier to make judgements and estimates around a better defined set of possible outcomes. However, the amount provisioned can remain very sensitive to the assumptions used. There could be a wide range of possible outcomes for any pending legal proceedings, investigations or inquiries. As a result, it is often not practicable to quantify a range of possible outcomes for individual matters. It is also not practicable to meaningfully quantify ranges of potential outcomes in aggregate for these types of provisions because of the diverse nature and circumstances of such matters and the wide range of uncertainties involved. Provisions for customer remediation also require significant levels of estimation and judgement. The amounts of provisions recognised depend on a number of different assumptions, such as the volume of inbound complaints, the projected period of inbound complaint volumes, the decay rate of complaint volumes, the population identified as systemically mis-sold and the number of policies per customer complaint.

4.18 Employee benefits

Defined benefit plans

In accordance with existing social legislation in Turkey, the Bank and its subsidiaries in Turkey are required to make lump-sum termination indemnities to each employee who has completed over one year of service with the Group and whose employment is terminated due to retirement or for reasons other than resignation or misconduct.

Such defined benefit plan is unfunded since there is no funding requirement in Turkey. The cost of providing benefits under the defined benefit plan is determined by independent actuaries annually using the projected unit credit method. All actuarial gains and losses are recognized in other comprehensive income.

In calculating the related liability to be recorded in the financial statements for these defined benefit plans, the Group uses independent actuaries and also makes assumptions and estimation relating to the discount rate to be used, turnover of employees, future change in salaries/limits, etc. These estimations which are disclosed in Note 26 are reviewed regularly.

Defined contribution plans

The foundations, Türkiye Halk Bankası AŞ Employee Pension Fund and T.C. Ziraat Bankası and T. Halk Bankası Employee Pension Fund, that the employees of the Bank are a member, were founded in accordance with the provisional article 20 of the Social Security Law numbered 506 (“Law”). Provisional article 23 of the Banking Act No: 5411 requires the Bank’s pension funds founded in the scope of Law to be transferred to the Social Security Foundation (“SSF”) within 3 years subsequent to the publishing date of the act. The procedure and essentials for the transfer were determined by the Council of Ministers’ decision dated 30 November 2006 and numbered 2006/11345. However, with the decree of the Constitutional Court numbered E.2005/139, K.2007/13 and K.2007/33 published in the Official Gazette dated 31 March 2007 and numbered 26479, the first paragraph of the temporary first article of the provisional article 23 of the Banking Act No: 5411 is cancelled and the execution has been ceased starting from the date the decree is published.

After the justified decree related to cancelling the provisional article 23 of the Banking Law was announced by the Constitutional Court on the Official Gazette dated 15 December 2007 and numbered 26731, Grand National Assembly of Turkey (“GNA”) started to work on establishing new legal regulations; and after, the “Law Regarding the Amendments to the Social Security and General Health Insurance Act and Certain Laws and Decree Laws” numbered

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.18 Employee benefits (continued)

5754 which was published on the Official Gazette dated 8 May 2008 and numbered 26870 approved at the General Assembly of the GNA and came into effect. The new law decrees that the contributors of the bank pension funds, the ones who receive salaries or income from these funds and their rightful beneficiaries will be transferred to the SSF and will be subject to this Law within 3 years after the release date of the related article, without any need for further operation. The three-year transfer period can be prolonged for maximum 2 years by the Council of Ministers’ decision. Related transfer period has been prolonged for 2 years by the Council of Ministers’ decision dated 14 March 2011, which was published on the Official Gazette dated 9 April 2011 and numbered 27900. In addition, by the Law numbered 6283 “Emendating Social Security and General Health Insurance Act”, which was published on the Official Gazette dated 8 March 2012 and numbered 28227, this period of 2 years has been raised to 4 years.

The statement “The Council of Ministers have entitled to determine transfer period” has taken place in the scope of the Article 51 of the Law No: 6645 which was published on the Gazette on 23 April 2015 and numbered 29335.

The members of the plan receive pension benefits on retirement, dependent on several factors such as age, years of service and compensation. The Group recognized the liability in the statement of financial position in respect to these plans equal to the present value of the defined benefit obligation at the balance sheet less the fair value of the assets. The defined benefit obligation is calculated annually by independent actuaries. The present value of the defined benefit obligation is determined by discounting the estimated future cash outflows using the expected interest rates for Turkish Lira. The methodology included the calculation of the defined benefit obligation using 9,8% as a discount rate and inclusion of the present value of future employee contributions in plan assets. Based on the results of the actuarial report prepared as of 31 December 2021 and 31 December 2020, no technical deficit has been reported.

Short-term benefits

Short-term employee benefit obligations are measured on an undiscounted basis and are expensed as the related service is provided.

A provision is recognised for the amount expected to be paid under short-term cash bonus if the Group has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

4.19 Earnings per share

Earnings per share from continuing operations disclosed in the accompanying consolidated statement of income is determined by dividing the net profit for the year by the weighted average number of shares outstanding during the year attributable to the shareholders of the Bank.

4.20 Events after the reporting period

Events after the reporting period that provide additional information about the Group’s position at the reporting dates (adjusting events) are reflected in the consolidated financial statements. Events after the reporting period that are not adjusting events are disclosed in the notes when material.

4.21 Segment reporting

An operating segment is a component of the Group that engages in business activities from which it may earn revenues and incur expenses, including revenues and expenses that relate to transactions with any of the Group’s other components, whose operating results are reviewed regularly by the Board of Directors (being chief operating decision maker) to make decisions about resources allocated to each segment and assess its performance, and for which discrete financial information is available.

4.22 Revenue

IFRS 15 Revenue from Contracts with Customers

Other fees and commission income, including account servicing fees, investment management fees, sales commissions, placement fees and syndication fees, are recognised as the related services are performed in accordance with IFRS 15 Revenue from contracts with customers. When a loan commitment is not expected to result in the draw-down of a loan, loan commitment fees are recognised on a straight-line basis over the commitment period.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.23 New and Revised International Financial Reporting Standards

a) New and revised IFRSs that are effective for the current year

Amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16 Interest Rate Benchmark Reform — Phase 2

The amendments in Interest Rate Benchmark Reform — Phase 2 (Amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16) introduce a practical expedient for modifications required by the reform, clarify that hedge accounting is not discontinued solely because of the IBOR reform, and introduce disclosures that allow users to understand the nature and extent of risks arising from the IBOR reform to which the entity is exposed to and how the entity manages those risks as well as the entity’s progress in transitioning from IBORs to alternative benchmark rates, and how the entity is managing this transition.

The amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16 are all effective for annual periods beginning on or after 1 January 2021. Early application is permitted.

The Group assessed that the adoption of this amendment does not have any effect on the Group’s consolidated financial statements.

b) New and revised IFRSs in issue but not yet effective

The Group has not yet adopted the following standards and amendments and interpretations to the existing standards:

IFRS 17	<i>Insurance Contracts</i>
Amendments to IAS 1	<i>Classification of Liabilities as Current or Non-Current</i>
Amendments to IFRS 3	<i>Reference to the Conceptual Framework</i>
Amendments to IAS 16	<i>Property, Plant and Equipment – Proceeds before Intended Use</i>
Amendments to IAS 37	<i>Onerous Contracts – Cost of Fulfilling a Contract</i>
Annual Improvements to IFRS Standards 2018-2020	<i>Amendments to IFRS 1 and IFRS 9</i>
Amendments to IFRS 4	<i>Extension of the Temporary Exemption from Applying IFRS 9</i>
Amendments to IFRS 16	<i>COVID-19 Related Rent Concessions beyond 30 June 2021</i>
Amendments to IAS 1	<i>Disclosure of Accounting Policies</i>
Amendments to IAS 8	<i>Definition of Accounting Estimates</i>
Amendments to IAS 12	<i>Deferred Tax related to Assets and Liabilities arising from a Single Transaction</i>
Amendments to IFRS 17	<i>Initial Application of IFRS 17 and IFRS 9 — Comparative Information</i>

IFRS 17 Insurance Contracts

IFRS 17 requires insurance liabilities to be measured at a current fulfilment value and provides a more uniform measurement and presentation approach for all insurance contracts. These requirements are designed to achieve the goal of a consistent, principle-based accounting for insurance contracts. IFRS 17 supersedes IFRS 4 Insurance Contracts as of 1 January 2023.

Amendments to IAS 1 Classification of Liabilities as Current or Non-Current

The amendments aim to promote consistency in applying the requirements by helping companies determine whether, in the statement of financial position, debt and other liabilities with an uncertain settlement date should be classified as current (due or potentially due to be settled within one year) or non-current.

Amendment defers the effective date by one year. Amendments to IAS 1 are effective for annual reporting periods beginning on or after 1 January 2023 and earlier application is permitted.

Amendments to IFRS 3 Reference to the Conceptual Framework

The amendments update an outdated reference to the Conceptual Framework in IFRS 3 without significantly changing the requirements in the standard.

The amendments are effective for annual periods beginning on or after 1 January 2022. Early application is permitted if an entity also applies all other updated references (published together with the updated *Conceptual Framework*) at the same time or earlier.

**TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021**

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.23 New and Revised International Financial Reporting Standards (continued)

b) New and revised IFRSs in issue but not yet effective (continued)

Amendments to IAS 16 Proceeds before Intended Use

The amendments prohibit deducting from the cost of an item of property, plant and equipment any proceeds from selling items produced while bringing that asset to the location and condition necessary for it to be capable of operating in the manner intended by management. Instead, an entity recognizes the proceeds from selling such items, and the cost of producing those items, in profit or loss.

The amendments are effective for annual periods beginning on or after 1 January 2022. Early application is permitted.

Amendments to IAS 37 Cost of Fulfilling a Contract

The amendments specify that the ‘cost of fulfilling’ a contract comprises the ‘costs that relate directly to the contract’. Costs that relate directly to a contract can either be incremental costs of fulfilling that contract (examples would be direct labour, materials) or an allocation of other costs that relate directly to fulfilling contracts.

The amendments are effective for annual periods beginning on or after 1 January 2022. Early application is permitted.

Annual Improvements to IFRS Standards 2018-2020

Amendments to IFRS 1 First time adoption of International Financial Reporting Standards

The amendment permits a subsidiary that applies paragraph D16(a) of IFRS 1 to measure cumulative translation differences using the amounts reported by its parent, based on the parent’s date of transition to IFRSs.

Amendments to IFRS 9 Financial Instruments

The amendment clarifies which fees an entity includes in assessing whether to derecognize a financial liability. An entity includes only fees paid or received between the entity (the borrower) and the lender, including fees paid or received by either the entity or the lender on the other’s behalf. The amendments to IFRS 1 and IFRS 9 are all effective for annual periods beginning on or after 1 January 2022. Early application is permitted.

Amendments to IFRS 4 Extension of the Temporary Exemption from Applying IFRS 9

The amendment changes the fixed expiry date for the temporary exemption in IFRS 4 Insurance Contracts from applying IFRS 9 Financial Instruments, so that entities would be required to apply IFRS 9 for annual periods beginning on or after 1 January 2023.

Amendments to IFRS 16 COVID-19 Related Rent Concessions beyond 30 June 2021

The International Auditing and Assurance Standards Board (“IAASB”) has published *COVID-19 Related Rent Concessions beyond 30 June 2021 (Amendment to IFRS 16)* that extends, by one year, the June 2020 amendment that provides lessees with an exemption from assessing whether a COVID-19 related rent concession is a lease modification.

On issuance, the practical expedient was limited to rent concessions for which any reduction in lease payments affects only payments originally due on or before 30 June 2021. Since lessors continue to grant COVID-19 related rent concessions to lessees and since the effects of the COVID-19 pandemic are ongoing and significant, the POA decided to extend the time period over which the practical expedient is available for use.

The new amendment is effective for lessees for annual reporting periods beginning on or after 1 April 2021. Earlier application is permitted.

Amendments to IAS 1 Disclosure of Accounting Policies

The amendments require that an entity discloses its material accounting policies, instead of its significant accounting policies. Amendments to IAS 1 are effective for annual reporting periods beginning on or after 1 January 2023 and earlier application is permitted.

**TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021**

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

4. Significant accounting policies (continued)

4.24 New and Revised International Financial Reporting Standards (continued)

b) New and revised IFRSs in issue but not yet effective (continued)

Amendments to IAS 8 Definition of Accounting Estimates

With this amendment, the definition of “a change in accounting estimates” has been replaced with the definition of “an accounting estimate”, sample and explanatory paragraphs regarding estimates have been added, and the differences between application of an estimate prospectively and correction of errors retrospectively have been clarified.

Amendments to IAS 8 are effective for annual reporting periods beginning on or after 1 January 2023 and earlier application is permitted.

Amendments to IAS 12 Deferred Tax related to Assets and Liabilities arising from a Single Transaction

The amendments clarify that the initial recognition exemption does not apply to transactions in which equal amounts of deductible and taxable temporary differences arise on initial recognition.

Amendments to IAS 12 are effective for annual reporting periods beginning on or after 1 January 2023 and earlier application is permitted.

Amendments to IFRS 17 Initial Application of IFRS 17 and IFRS 9 — Comparative Information

The amendment permits entities that first apply IFRS 17 and IFRS 9 at the same time to present comparative information about a financial asset as if the classification and measurement requirements of IFRS 9 had been applied to that financial asset before. The amendments are applied when IFRS 17 is first applied.

The Group evaluates the effects of these standards, amendments and improvements on the consolidated financial statements.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management

Organization of the Risk Management Function

The Group's activities involve some degree of risk or combination of risks. Therefore, procedures and operations throughout the Group are designed towards contributing to effective addressing of this matter reflecting the disciplined and prudent risk management culture of the Group. The Bank Risk Management supervises the risk management process of the Group.

The mission of Group Risk Management function is to ensure together with executive management that risks taken by the Group align with its policies and are compatible with its profitability and credit-rating objectives.

The Group Risk Management reports to the Board of Directors through the Audit Committee and is responsible for identifying, measuring, monitoring and reporting Market, Credit and Operational Risk. Market Risk includes interest rate, foreign exchange and price risk. These risks are continually monitored and controlled according to the policies and limits set by the Board of Directors by using tools and software for monitoring and controlling.

The risk management process consists of the stages of defining and measuring the risks; establishing the risk policies and procedures and their implementation; and the analysis, review, reporting, research, recognition and assessment of risks within the framework of the basis set by the Board and the Audit Committee.

Credit risk

The Group manages its credit risk by limiting its risk. Under the risk management the Bank rates each of its loans given to customers (legal or real) and requires additional guarantees from its customers with high risk ratings, or does not provide loans to such customers, or applies strategies in order to decrease the level risk of such loan. The Group's credit risk is focused in Turkey where its main operations take place. During the loan application process, limits for product and customers are taken into consideration and these limits are controlled regularly. The related loan units within the Bank are responsible for defining limits for sectors and geographical regions.

The risks and limits attributable to banks and transactions with correspondent banks are followed up on a daily basis. Off balance sheet risk concentration on individual customers and banks are also followed up daily.

Those loans which are renewed or restructured are traced not only according to their relevant regulations, but are also traced by the risk management process where they are re-considered for their credit group and weight. With these methods, new precautions are taken and loans that have longer maturities have greater credit risks than the short-term loans.

The credibility of the debtors of the Bank is assessed periodically in accordance with the Communiqué on "Methods and Principles for the Determination of Loans and Other Receivables to be Reserved for and Allocation of Reserves." Audited financial statements are obtained for loans to be granted are audited as required by the related legislation. Loan limits are updated by the initiative of the Bank's Credit Committee and top management, as deemed necessary and in accordance with the changes in economic conditions. The Bank obtains adequate collateral for loans given and other receivables. Such collateral comprises of suretyships, mortgages on property, cash blockages and cheques.

Indemnified non-cash loans are weighted in the same risk group with the non-performing loans and recorded in the follow up accounts according to their collaterals.

The percentage of the top 100 cash loan customers of the Bank to the total loan portfolio is 29,04% (31 December 2020: 22,50%)

The percentage of the top 100 non-cash loan customers of the Bank to the total non-cash loan portfolio is 40,88% (31 December 2020: 38,36%)

The percentage of the total cash and non-cash loan balances of the top 100 clients to the total of assets and off-balance sheet items is 18,11% (31 December 2020: 15,16%)

Derivatives:

The Group maintains strict control limits on net open derivative positions (i.e. the difference between purchase and sale contracts), by both amount and term. At any one time, the amount subject to credit risk is limited to the current fair value of instruments that are favourable to the Group (i.e., assets where their fair value is positive), which in relation to derivatives is only a small fraction of the contract, or notional values used to express the volume of instruments outstanding. This credit risk exposure is managed as part of the overall lending limits with customers, together with potential exposures from market movements. Collateral or other security is not usually obtained for credit risk exposures on these instruments, except where the Group requires margin deposits from counterparties.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

Credit-related commitments

The primary purpose of these instruments is to ensure that funds are available to a customer as required. Guarantees and standby letters of credit – which represent irrevocable assurances that the Group will make payments in the event that a customer cannot meet its obligations to third parties, carry the same credit risk as loans. Documentary and commercial letters of credit – which are written undertakings by the Group on behalf of a customer authorizing a third party to draw drafts on the Group up to a stipulated amount under specific terms and conditions – are collateralized by the underlying shipments of goods to which they relate and therefore carry less risk than a direct borrowing. Commitments to extend credit represent unused portions of authorizations to extend credit in the form of loans, guarantees or letters of credit. With respect to credit risk on commitments to extend credit, the Group is potentially exposed to loss in an amount equal to the total unused commitments.

However, the likely amount of loss is less than the total unused commitments, as most commitments to extend credit are contingent upon customers maintaining specific credit standards. The Group monitors the term to maturity of credit commitments because longer-term commitments generally have a greater degree of credit risk than shorter-term commitments.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

Credit-related commitments (continued)

Sectoral breakdown of cash and non-cash loans except retail loans is as follows:

	31 December 2021	
	Cash (*)	Non-cash
Agricultural	2.811.783	554.126
<i>Farming and raising livestock</i>	2.520.698	204.953
<i>Forestry</i>	80.072	13.257
<i>Fishing</i>	211.013	335.916
Manufacturing	123.429.399	72.639.396
<i>Mining</i>	6.172.116	2.099.619
<i>Production</i>	92.968.857	66.592.505
<i>Electric, gas and water</i>	24.288.426	3.947.272
Construction	37.059.456	49.768.126
Services	242.092.779	71.114.023
<i>Wholesale and retail trade</i>	91.845.084	37.201.825
<i>Hotel, food and beverage services</i>	33.116.848	6.203.380
<i>Transportation and telecommunication</i>	28.983.601	10.835.014
<i>Financial institutions</i>	4.230.684	5.571.775
<i>Real estate and renting services</i>	73.043.569	9.480.657
<i>Self-employment services</i>	2.001.632	187.280
<i>Education services</i>	3.366.025	256.776
<i>Health and social services</i>	5.505.336	1.377.316
Other	43.771.224	1.229.994
Total loans	449.164.641	195.305.665

*Retail loans are excluded.

	31 December 2020	
	Cash (*)	Non-cash
Agricultural	2.107.478	361.020
<i>Farming and raising livestock</i>	1.813.740	142.130
<i>Forestry</i>	36.783	1.569
<i>Fishing</i>	256.955	217.321
Manufacturing	102.184.133	39.208.760
<i>Mining</i>	4.057.361	1.256.142
<i>Production</i>	82.417.325	34.796.462
<i>Electric, gas and water</i>	15.709.447	3.156.156
Construction	27.512.130	30.922.102
Services	183.923.828	43.670.070
<i>Wholesale and retail trade</i>	76.300.741	22.253.938
<i>Hotel, food and beverage services</i>	22.721.363	4.237.189
<i>Transportation and telecommunication</i>	23.435.126	8.010.269
<i>Financial institutions</i>	3.845.246	3.950.207
<i>Real estate and renting services</i>	47.765.456	4.379.677
<i>Self-employment services</i>	1.777.945	69.639
<i>Education services</i>	2.946.722	203.326
<i>Health and social services</i>	5.131.229	565.825
Other	36.828.309	2.353.899
Total loans	352.555.878	116.515.851

*Retail loans are excluded.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

Credit risk types according to sectors and geographical concentration:

Credit risk of the Group as of 31 December 2021 and 31 December 2020 is calculated and credit risk types according to sectors and geographical concentration are presented in accordance with the “Regulation on Measurement and Assessment of Capital Adequacy Ratios of Banks” published in Official Gazette no. 29111 dated 6 September 2014 which is complaint to Basel III.

Sectoral breakdown of risk weighted assets is as follows:

	31 December 2021	31 December 2020
Agricultural	2.491.619	2.167.119
<i>Farming and raising livestock</i>	1.102.999	1.061.046
<i>Forestry</i>	953.923	683.551
<i>Fishing</i>	434.697	422.522
Manufacturing	149.654.972	126.743.877
<i>Mining</i>	5.546.536	4.604.588
<i>Production</i>	123.983.392	105.103.272
<i>Electric, gas and water</i>	20.125.044	17.036.017
Construction	53.233.675	41.446.453
Services	362.651.465	307.636.277
<i>Wholesale and retail trade</i>	114.212.710	93.190.282
<i>Hotel, food and beverage services</i>	29.778.537	25.063.695
<i>Transportation and telecommunication</i>	33.123.714	29.048.364
<i>Financial institutions</i>	9.249.477	10.507.472
<i>Real estate and renting services</i>	11.625.287	46.504.064
<i>Self-employment services</i>	2.513.452	2.303.350
<i>Education services</i>	3.536.821	2.967.707
<i>Health and social services</i>	158.611.467	98.051.343
Other	288.186.538	201.507.384
Total risk weighted assets	856.218.269	679.501.110

Information according to geographical concentration:

	31 December 2021	31 December 2020
Domestic	831.066.907	659.121.163
EU Countries	2.004.633	2.997.597
OECD Countries(*)	556.013	289.487
USA, Canada	142.168	257.913
Other countries	21.196.202	15.871.636
Off-shore banking regions	65.152	48.881
Investment and associates, subsidiaries and joint ventures	1.187.194	914.433
Total risk weighted assets	856.218.269	679.501.110

(*) OECD Countries other than the EU Countries, USA and Canada.

Credit quality per class of financial assets:

Due from banks, financial assets at fair value through profit or loss, FVTOCI investment securities and amortized cost investment securities do not include overdue and individually impaired assets, as of 31 December 2021 and 31 December 2020.

Aging analysis of past due but not impaired financial assets per classes of financial instruments:

31 December 2021	Between 30 and 60 days	Between 61 and 90 days	Total
Loans and advances	3.029.916	1.425.439	4.455.355

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

31 December 2020	Between 30 and 60 days	Between 61 and 90 days	Total
Loans and advances	2.127.194	1.815.746	3.942.940

As of 31 December 2021, the fair value of collaterals held against the past due but not yet impaired loans amounts to TRY 47.372.022. The net value and type of the collaterals is as follows:

Collateral type ⁽¹⁾	31 December 2021	31 December 2020
Sureties	23.920.324	16.484.603
Real estate mortgage	9.732.270	9.766.161
CGF	3.122.178	2.814.323
Salary pledge, vehicle pledge and pledge of commercial undertaking	525.346	444.531
Cheque /bills	129.828	88.383
Financial collaterals (Cash, securities pledge, etc.)	86.989	31.668
Other	9.855.087	8.079.429
Total	47.372.022	37.709.098

(1) Income accruals are not included in the table.

Carrying amount per class of financial assets whose terms have been restructured:

	31 December 2021	31 December 2020
<i>Loans and advances ^{(1) (2)}</i>		
Corporate loans	23.807.438	15.242.830
Consumer loans	21.009	68.398
Total	23.828.447	15.311.228

(1) Accruals are not included to the table above.

(2) Presents loans accounted for under restructured or rescheduled loan accounts.

Corporate and Commercial loans	Internal/External valuation grade	Total	SMEs	Internal/External valuation grade	Total
Risk rating group 1	KT1	62.163.832	Risk rating group 1	KB1	8.630.207
Risk rating group 2	KT2	18.280.094	Risk rating group 2	KB2	11.083.120
Risk rating group 3	KT3	43.997.942	Risk rating group 3	KB3	12.690.273
Risk rating group 4	KT4	60.883.878	Risk rating group 4	KB4	11.171.556
Risk rating group 5	KT5	42.687.064	Risk rating group 5	KB5	11.846.334
Risk rating group 6	KT6	58.147.987	Risk rating group 6	KB6	6.435.623
Risk rating group 7	KT7	65.570.207	Risk rating group 7	KB7	7.416.983
Risk rating group 8	KT8	34.373.717	Risk rating group 8	KB8	4.201.333
Risk rating group 9	KT9	19.929.644	Risk rating group 9	KB9	3.875.618
Risk rating group 10	KT10	27.820.963	Risk rating group 10	KB10	3.074.693
Total		433.855.328	Total		80.425.740

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

Micro Firms	Internal/External valuation grade	Total	Artisans	Internal/External valuation grade	Total
Risk rating group 1	MK1	4.478.175	Risk rating group 1	ES1	8.422.689
Risk rating group 2	MK2	8.635.845	Risk rating group 2	ES2	5.178.790
Risk rating group 3	MK3	6.249.859	Risk rating group 3	ES3	5.814.883
Risk rating group 4	MK4	7.239.349	Risk rating group 4	ES4	5.975.765
Risk rating group 5	MK5	5.714.865	Risk rating group 5	ES5	5.776.042
Risk rating group 6	MK6	3.965.362	Risk rating group 6	ES6	4.255.681
Risk rating group 7	MK7	4.139.032	Risk rating group 7	ES7	2.199.501
Risk rating group 8	MK8	4.423.683	Risk rating group 8	ES8	945.969
Risk rating group 9	MK9	5.834.949	Risk rating group 9	ES9	307.159
Risk rating group 10	MK10	6.612.214	Risk rating group 10	ES10	104.947
Total		57.293.333	Total		38.981.426

Risk Group	Definition of risk group
1	The firm is a positive firm with its financial and non-financial criteria and it can pursue its high credibility in the long run.
2	
3	The firm that has performed its optimization and has a high credibility in the short run and is a credible firm in the medium run.
4	
5	
6	The firm cannot retain optimization in the major parts of its financials and non-financial criteria. But it's a credible firm in the short run.
7	
8	The major part of its financial and non-financial criteria is negative and the firm is having difficulties in meetings its commitments. But it has guaranteed short run credibility dependent on the positive conjecture.
9	The firm force acceptable risk limits when it's financial and non-financial criteria considered together, and have poor credibility.
10	

Offsetting financial assets and financial liabilities

The disclosures set out in the tables below include financial assets and financial liabilities that:

- are offset in the Group's statement of financial position; or
- are subject to an enforceable master netting arrangement or similar agreement that covers similar financial instruments, irrespective of whether they are offset in the statement of financial position.

The similar agreements include derivative clearing agreements. Similar financial instruments include derivatives. Financial instruments such as loans and deposits are not disclosed in the tables below unless they are offset in the statement of financial position.

Such collateral is subject to each agreement terms. The terms also give each party the right to terminate the related transactions on the counterparty's failure to post collateral.

The Group receives and gives collateral in the form of cash in respect of the derivative transactions.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Credit risk (continued)

Financial assets and liabilities subject to offsetting, enforceable master netting arrangements and similar agreements

				Related amounts not offset in the statement of financial position			
	Types of financial assets	Gross amounts of recognized financial assets	Gross amounts of recognized financial liabilities offset in the statement of financial position	Net amounts of financial assets presented in the statement of financial position	Financial instruments (Including non-cash collateral)	Cash collateral received	Net amount
31 December 2021	Derivatives - trading assets	8.988.895	-	8.988.895	-	916.419	8.072.476
31 December 2020	Derivatives - trading assets	2.347.282	-	2.347.282	-	574.603	1.772.679

				Related amounts not offset in the statement of financial position			
	Types of financial liabilities	Gross amounts of recognized financial assets	Gross amounts of recognized financial liabilities offset in the statement of financial position	Net amounts of financial assets presented in the statement of financial position	Financial instruments (Including non-cash collateral)	Cash collateral pledged	Net amount
31 December 2021	Derivatives - trading liabilities	2.470.437	-	2.470.437	-	796.653	1.673.784
31 December 2020	Derivatives - trading liabilities	534.225	-	534.225	-	409.925	124.300

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Liquidity risk

The liquidity risk occurs when there is insufficient cash or cash inflows to meet the cash outflows fully and timely. Liquidity risk may also occur when the market penetration is not adequate, when the open position cannot be closed immediately at the suitable prices in sufficient amounts due to barriers and break-ups in the markets.

The liquidity risks of the Bank are managed within the framework of risk and transaction limits approved by the Board of Directors and the duties and responsibilities of the units related to liquidity risk management are notified in written. Within this scope, limits determined in terms of TRY and FC are followed for gap values according to certain maturity tranches for liquidity analysis. On the other hand, for Treasury transactions; There are upper limits on TRY and FX terms in all maturities in the over-the-counter market, upper limits on repo and reverse repo transactions that can be realized in TRY and FC terms with maximum FX position limits on all maturities in the interbank market, and maximum limits on foreign currency position, forward and swap transactions.

Liquidity risk analyzes (gap analysis, core deposit reports, etc.) are conducted on a daily basis and shared with the Bank's top management and related departments. Periodical stress tests are performed in line with the Bank's liquidity management policies. On the other hand, metrics within the scope of "Liquidity Emergency Action Plan" (LEAP) approved by the Board of Directors and early warning indicators related to these metrics are monitored on a daily basis. Written actions, if required, to be taken as part of this plan are determined. In extent with LEAP, necessary actions and their priority for possible liquidity stress/crisis have been determined and Liquidity Risk Committee have been established.

The extension of the maturity structure of term deposits which reflects the primary funding source for the Bank, the development of new products encouraging savings and the protection of core deposit levels have been implemented as a strategic objective. Limits have been determined for issuing bonds based on Turkish Lira to provide long term funding resource for the purposes of extending maturity structure of liabilities besides deposits.

For the purposes of utilizing advantage of the new borrowing facilities in line with the needs of the Bank, alternative funding resources are evaluated in parallel with the close monitoring of price/cost movements in international capital markets and with convenient conditions.

The reduction of liquidity risk is provided by effective collateral management structure. The Bank participates in the organized markets (CBRT, BIST and TAKASBANK). Debt upper limits and balance sheet size are determined under certain criteria by the relevant authorities. Existing limits available to use are continuously monitored with the cooperation of Treasury Management Middle Office and Treasury Operations Department though the Bank's projected and instant liquidity needs under the condition that depositing and/or withdrawing additional collateral.

The consolidated main funding source of the Bank is deposits, other funding sourced are money market borrowings, securities issued and subordinated debt instruments, funds borrowed, and the rest consists of other sources.

Analysis of non-derivative financial liabilities by remaining contractual maturities:

31 December 2021	Up to 1 month	1-3 months	3-12 months	1-5 years	Over 5 years	Gross nominal outflow	Carrying amount
Liabilities							
Deposits	507.717.083	104.085.053	34.517.905	4.436.971	88.011	650.845.023	647.429.285
Obligations under repurchase agreements	33.850.075	33.001	-	-	-	33.883.076	33.429.150
Loans and advances from banks	344.978	1.076.068	3.218.465	4.890.206	8.718.217	18.247.934	17.737.106
Interbank money market borrowings	-	106.605.595	-	-	-	106.605.595	106.605.595
Debt securities issued	2.042.515	4.490.342	578.924	1.636.759	-	8.748.540	8.176.772
Total	543.954.651	216.290.059	38.315.294	10.963.936	8.806.228	818.330.168	813.377.908

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Liquidity risk (continued)

31 December 2020	Up to 1 month	1-3 months	3-12 months	1-5 years	Over 5 years	Gross nominal outflow	Carrying amount
Liabilities							
Deposits	355.458.727	88.568.202	24.038.902	2.645.931	34.342	470.746.104	468.061.828
Obligations under repurchase agreements	34.044.592	59.859	-	-	-	34.104.451	33.960.448
Loans and advances from banks	132.472	590.618	2.857.094	5.149.024	9.406.439	18.135.647	16.871.825
Interbank money market borrowings	70.586.831	55.333	-	-	-	70.642.164	70.642.164
Debt securities issued	1.040.386	7.068.563	5.151.860	1.531.819	-	14.792.628	14.245.422
Total	461.263.008	96.342.575	32.047.856	9.326.774	9.440.781	608.420.994	603.781.687

Analysis of the Group's derivative financial instruments notional amounts according to their remaining maturities:

31 December 2021	Up to one month	1-3 months	3-12 months	1-5 years	Over 5 years	Total
Forwards contracts – buy	6.661.532	3.825.069	2.440.822	-	-	12.927.423
Forward contracts – sell	5.827.327	1.550.887	741.433	-	-	8.119.647
Swaps – buy	43.530.517	33.434	2.308.629	1.486.815	-	47.359.395
Swaps – sell	58.052.059	1.453.824	1.861.972	498.930	-	61.866.785
Credit default swap – buy	-	-	-	-	-	-
Credit default swap – sell	-	-	-	-	-	-
Forward precious metal – buy	1.539.559	1.122.595	-	-	-	2.662.154
Forward precious metal – sell	2.427.766	3.409.729	1.739.406	-	-	7.576.901
Money buy options	1.728.930	345.130	164.617	-	-	2.238.677
Money sell options	1.728.922	345.130	164.617	-	-	2.238.669
Interest rate swap-buy	10.000	85.000	360.440	3.039.591	18.493.084	21.988.115
Interest rate swap-sell	10.000	85.000	360.440	3.039.591	18.493.084	21.988.115
Swaps Precious Metal – Buy	19.325.276	1.381.223	-	-	-	20.706.499
Swaps Precious Metal – Sell	-	-	-	-	-	-
Total	140.841.888	13.637.021	10.142.376	8.064.927	36.986.168	209.672.380

31 December 2020	Up to one month	1-3 months	3-12 months	1-5 years	Over 5 years	Total
Forwards contracts – buy	1.734.998	1.241.034	34.708	-	-	3.010.740
Forward contracts – sell	631.159	161.002	34.069	-	-	826.230
Swaps – buy	10.223.422	5.807.869	1.707.242	1.184.000	-	18.922.533
Swaps – sell	13.482.734	5.390.348	1.243.058	675.070	-	20.791.210
Credit default swap – buy	-	-	-	-	-	-
Credit default swap – sell	-	-	-	-	-	-
Forward precious metal – buy	84.221	-	-	-	-	84.221
Forward precious metal – sell	1.184.714	1.102.641	-	-	-	2.287.355
Money buy options	1.467.840	469.181	-	-	-	1.937.021
Money sell options	1.468.509	468.516	-	-	-	1.937.025
Interest rate swap-buy	155.000	120.000	175.000	452.333	11.880.682	12.783.015
Interest rate swap-sell	155.000	120.000	175.000	452.333	11.880.682	12.783.015
Swaps Precious Metal – Buy	3.255.540	224.520	-	-	-	3.480.060
Swaps Precious Metal – Sell	-	-	-	-	-	-
Total	33.843.137	15.105.111	3.369.077	2.763.736	23.761.364	78.842.425

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Liquidity risk (continued)

Presentation according to remaining maturities at the date of statement of financial position:

	Demand	Up to 1 month	1-3 months	3-12 months	1 year to 5 years	Over 5 years	Undistributed	Total
31 December 2021								
Assets								
Cash on hand	7.413.148	-	-	-	-	-	-	7.413.148
Balances with and reserve deposits at Central Bank	3.470.716	114.591.909	-	537.939	-	-	-	118.600.564
Due from banks	3.741.956	622.352	27.634	123.903	-	22.680	-	4.538.525
Financial assets at fair value through profit or loss	26.398	6.783.399	42.141	25.718.011	1.496.737	395	169.908	34.236.989
Loans and advances	18.582.582	34.878.444	36.174.104	161.630.451	220.601.761	91.296.661	(23.647.964)	539.516.039
Investments securities	-	11.829.051	12.125.774	22.146.280	94.245.071	61.367.379	350.596	202.064.151
Other assets	984.447	210.284	509.894	297	21.996	118.451	22.680.221	24.525.590
Total assets	34.219.247	168.915.439	48.879.547	210.156.881	316.365.565	152.805.566	(447.239)	930.895.006
Liabilities and equity								
Deposits from banks	28.422.696	33.338.251	2.219.892	73.569	-	-	-	64.054.408
Deposits from customers	144.929.769	300.207.224	100.224.474	33.533.437	4.392.174	87.799	-	583.374.877
Obligations under repurchase agreements	-	31.390.659	7.316	679.525	-	1.351.650	-	33.429.150
Loans and advances from banks	185.382	344.385	1.049.491	3.101.048	4.528.683	8.528.117	-	17.737.106
Interbank money market borrowings	-	106.586.795	18.800	-	-	-	-	106.605.595
Debt securities issued	-	1.959.954	4.263.822	418.615	1.534.381	-	-	8.176.772
Other liabilities ⁽¹⁾	3.005.518	15.249.943	1.007.761	26.410.758	19.533.961	6.371.163	45.937.994	117.517.098
Total liabilities and equity	176.543.365	489.077.211	108.791.556	64.216.952	29.989.199	16.338.729	45.937.994	930.895.006
Liquidity gap	(142.324.118)	(320.161.772)	(59.912.009)	145.939.929	286.376.366	136.466.837	(46.385.233)	-

⁽¹⁾ Shareholders’ equity is presented in the “undistributed” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Liquidity risk (continued)

Presentation according to remaining maturities at the date of statement of financial position (continued):

	Demand	Up to 1 month	1-3 months	3-12 months	1 year to 5 years	Over 5 years	Undistributed	Total
31 December 2020								
Assets								
Cash on hand	5.063.008	-	-	-	-	-	-	5.063.008
Balances with and reserve deposits at Central Bank	1.116.661	58.545.526	-	251.287	-	-	-	59.913.474
Due from banks	1.460.515	1.410.973	31.056	14.914	4.214	11.975	-	2.933.647
Financial assets at fair value through profit or loss	16.429	510.959	1.290.747	16.076.311	29.051	228	147.220	18.070.945
Loans and advances	3.179.306	31.296.358	34.195.643	110.074.404	205.962.085	60.231.609	-	444.939.405
Investments securities	-	6.654.812	10.030.599	31.099.149	51.723.525	45.608.761	283.320	145.400.166
Other assets	17.118.613	103.824	476.942	40.546	39.845	349.143	1.132.262	19.261.175
Total assets	27.954.532	98.522.452	46.024.987	157.556.611	257.758.720	106.201.716	1.562.802	695.581.820
Liabilities and equity								
Deposits from banks	9.514.652	21.271.352	4.180.536	32.818	66.496	-	-	35.065.854
Deposits from customers	81.060.829	242.900.844	83.270.979	23.239.182	2.489.876	34.264	-	432.995.974
Obligations under repurchase agreements	-	33.216.468	3.980	-	-	740.000	-	33.960.448
Loans and advances from banks	2.352	119.975	575.806	2.799.657	4.960.372	8.208.709	204.954	16.871.825
Interbank money market borrowings	-	70.586.831	55.333	-	-	-	-	70.642.164
Debt securities issued	-	992.028	6.864.708	4.958.686	1.430.000	-	-	14.245.422
Other liabilities ⁽¹⁾	1.577.202	9.926.612	351.760	17.359.614	11.984.562	6.371.826	44.228.557	91.800.133
Total liabilities and equity	92.155.035	379.014.110	95.303.102	48.389.957	20.931.306	15.354.799	44.433.511	695.581.820
Liquidity gap	(64.200.503)	(280.491.658)	(49.278.115)	109.166.654	236.827.414	90.846.917	(42.870.709)	-

⁽¹⁾ Shareholders’ equity is presented in the “undistributed” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Liquidity risk (continued)

Net liquidity gap

The matching and controlled mismatching of the maturities and interest rates of assets and liabilities is fundamental to the management of the Group. It is unusual for banks to be completely matched, as transacted business is often of uncertain term and of different types. An unmatched position potentially enhances profitability, but also increases the risk of losses. The maturities of assets and liabilities and the ability to replace, at an acceptable cost, interest-bearing liabilities as they mature are important factors in assessing the liquidity of the Group and its exposure to changes in interest rates and exchange rates. Liquidity requirements to support calls under guarantees and standby letters of credit are considerably less than the amount of the commitment because the Group does not generally expect the third party to draw funds under the agreement. The total outstanding contractual amount of commitments to extend credit does not necessarily represent future cash requirements, as many of these commitments will expire or terminate without being funded.

Market risk

The Bank's market risks are managed within the framework of the “Policies Related to the Management of the Market Risk” approved by the Board of Directors, and the trading activities of the positions and portfolios subject to the market risks are carried out in accordance with the “Policy and Application Procedures regarding the Management of the Positions Held for the Trading Strategy”.

The Bank's market risks are measured by two methods, namely the standard method and the risk measurement method. In statutory reporting, the standard method is used in accordance with the “Regulation Regarding the Measurement and Evaluation of Banks' Capital Adequacy” published in the Official Gazette dated 23 October 2015 and numbered 29511. In addition, the risk measurement model and the value at risk (VAR) are measured in accordance with the “Communiqué on Calculation of Market Risk and Risk Measurement Models and Evaluation of Risk Measurement Models” published in the Official Gazette dated 23 October 2015 and numbered 29511.

Within the scope of the Bank's "Policies for the Management of Market Risks"; VAR based limit and risk appetite has been determined and VAR results calculated by historical simulation method have been associated with statutory equity. The level of compliance with these limits is monitored daily. On the other hand, periodic stress tests are applied for market risks.

Concerning market risks, the results obtained by both the standard method and the risk measurement model and the level of compliance with the limits are reported to the Bank's Top Management and related business units on a daily basis.

The Group's average market risk calculated as of the end of months in the related periods is as follows:

	31 December 2021			31 December 2020		
	Average	Maximum	Minimum	Average	Maximum	Minimum
Interest rate risk	704.170	889.915	258.416	552.408	822.583	209.209
Share risk	39.549	58.800	26.004	25.929	29.884	21.698
Currency risk	489.732	772.215	341.682	1.009.577	1.523.153	560.747
Commodity risk	-	-	-	-	-	-
Settlement risk	-	-	-	-	-	-
Options risk	6.030	19.832	1.339	2.994	7.022	1.103
Amount subject to total risk	1.239.481	1.740.762	627.441	1.590.908	2.382.642	792.757

Currency risk

Foreign currency risk indicates the possibilities of potential losses that banks are subject to due to the exchange rate movements in the market. While calculating the share capital requirement, all foreign currency assets, liabilities and forward transactions of the Group are taken into account. Net short and long position of the Turkish Lira equivalent to each foreign currency is calculated.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Currency risk (continued)

The Group's exposure to foreign currency risk is limited. However, possible foreign currency risks are calculated in foreign currency risk table in the frame of the standard method weekly and monthly as to follow up the foreign currency risk periodically. When deemed necessary, foreign currency swap transactions are made with the banks.

Foreign currency sensitivity:

The Group is mainly exposed to EUR and USD currency risk.

The following table details the Group's sensitivity to a 10% increase and decrease in the TRY against USD, EUR and other foreign currencies. 10% is the sensitivity rate used when reporting foreign currency risk internally to key management personnel and represents management's assessment of the possible change in foreign exchange rates.

	Change in currency rate	Effect on profit / loss	
		2021	2020
USD	10% increase	(174.821)	(232.270)
EUR	10% increase	(324.345)	(37.748)
Other	10% increase	483.505	24.536

The concentrations of assets, liabilities and off-balance sheet items in various currencies are:

	EUR	USD	Other FC	Total
31 December 2021				
Assets				
Cash on hand	3.184.577	2.292.411	35.495	5.512.483
Balances with Central Bank	14.965.380	19.552.168	367.658	34.885.206
Reserve deposits at Central Bank	30.495.938	28.464.399	7.157.187	66.117.524
Due from banks	1.349.451	650.860	2.142.486	4.142.797
Financial assets at fair value through profit or l	-	725	28.793	29.518
Loans and advances	97.498.887	61.255.744	11.854.378	170.609.009
Investment securities	21.945.417	46.763.123	16.335.378	85.043.918
Investment in equity- accounted investees	1.108.396	-	-	1.108.396
Property and equipment	-	-	859.307	859.307
Other assets	328.581	1.013.307	340.616	1.682.504
Total assets	170.876.627	159.992.737	39.121.298	369.990.662
Liabilities				
Deposits from banks	30.864.271	6.315.609	2.654.750	39.834.630
Deposits from customers	130.708.760	168.568.965	48.865.295	348.143.020
Obligations under repurchase agreements	-	2.644.672	-	2.644.672
Loan and advances from banks	10.587.141	6.062.992	10.007	16.660.140
Debt securities issued	-	-	-	-
Other liabilities	16.427.240	2.379.967	716.824	19.524.031
Total liabilities	188.587.412	185.972.205	52.246.876	426.806.493
Net on balance sheet position	(17.710.785)	(25.979.468)	(13.125.578)	(56.815.831)
Net off balance sheet position	14.467.340	24.231.262	17.960.627	56.659.229
Derivative financial assets	19.120.011	34.932.718	27.421.290	81.474.019
Derivative financial liabilities	4.652.671	10.701.456	9.460.663	24.814.790

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Currency risk (continued)

The concentrations of assets, liabilities and off balance sheet items in various currencies are (continued):

	EUR	USD	Other FC	Total
31 December 2020				
Assets				
Cash on hand	1.961.644	1.311.584	52.608	3.325.836
Balances with Central Bank	8.325.987	11.611.098	9.237.047	29.174.132
Reserve deposits at Central Bank	24.065	17.219.131	6.845.172	24.088.368
Due from banks	477.298	466.673	1.449.696	2.393.667
Financial assets at fair value through profit or loss	103	1.246	17.892	19.241
Loans and advances	61.153.664	38.655.414	5.448.946	105.258.024
Investment securities	17.841.856	26.459.558	6.335.032	50.636.446
Investment in equity- accounted investees	681.339	-	-	681.339
Property and equipment	-	-	503.411	503.411
Other assets	1.185.216	1.947.536	182.590	3.315.342
Total assets	91.651.172	97.672.240	30.072.394	219.395.806
Liabilities				
Deposits from banks	9.419.898	5.078.086	357.205	14.855.189
Deposits from customers	70.552.958	90.381.535	30.454.014	191.388.507
Obligations under repurchase agreements	-	1.114.631	-	1.114.631
Loan and advances from banks	8.592.075	3.953.548	2.500	12.548.123
Debt securities issued	-	7.553.277	-	7.553.277
Other liabilities	9.620.406	1.316.164	391.357	11.327.927
Total liabilities	98.185.337	109.397.241	31.205.076	238.787.654
Net on balance sheet position	(6.534.165)	(11.725.001)	(1.132.682)	(19.391.848)
Net off balance sheet position				
Derivative financial assets	7.325.960	14.650.743	4.755.882	26.732.585
Derivative financial liabilities	1.169.171	5.248.540	3.377.841	9.795.552

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Interest rate risk

The interest rate risks incurred due to interest-sensitive positions in the Parent Bank's trading and banking books are managed within the scope of the "Policies for the Management of Interest Rate Risk" which is approved by the Board of Directors. Interest-sensitive positions in the trading accounts are evaluated within the scope of market risks, while positions other than trading accounts are subject to interest rate risk arising from banking books.

Interest rate risks are measured on a daily basis using the standard shock method due to the net positions created by the assets and liabilities in the banking books and off-balance sheet positions in the relevant maturity brackets according to repricing periods. Measurement results are daily reported to the Parent Bank's Top Management and related business units. Statutory reporting is made on a monthly basis in accordance with the "Regulation on Measurement and Evaluation of the Interest Rate Risk Arising from Banking Books by Standard Shock Method" published in the Official Gazette dated 23 August 2011 and numbered 28034.

According to the mentioned regulation, within the scope of Interest Rate Risk in the Banking Book (IRRBB), the ratio of losses incurred due to economic value changes after interest shocks to total capital - legal maximum rate - is limited to 20%. On the other hand, regarding IRRBB ratio, the Parent Bank's internally determined limit and risk appetite levels are monitored on a daily basis, provided that they are below the legal maximum rate.

As part of the measures taken against the Covid-19 pandemic which occurred in 2020, banks have been exempted from the obligations to meet 20% legal limit regarding the IRRBB ratio until 31 December 2020 with the resolution numbered 8998 dated 16 April 2020 by BRSA. Mentioned exemption has been terminated as of 31 December 2020 with the resolution numbered 9312 dated 8 December 2020.

Interest rate sensitivity:

The impact on financial statements as of 31 December 2021 regarding interest rate instabilities stated below as presented in different currencies:

	Currency	Applied shock (+/- x basis points)	Gains/ losses	Gains/shareholders' equity – losses/ shareholders' equity
1	TRY	500 (400)	(6.403.406) 6.092.718	(9,27%) 8,82%
2	EUR ^(*)	200 (200)	2.488.313 (3.672.243)	3,60% (5,31%)
3	USD	200 (200)	(3.359.452) 4.467.812	(4,86%) 6,47%
Total (For negative shocks)			6.888.287	9,97%
Total (For positive shocks)			(7.274.545)	(10,53%)

^(*) Other currencies are shown under EUR

The impact on financial statements as of 31 December 2020 regarding interest rate instabilities stated below as presented in different currencies:

	Currency	Applied shock (+/- x basis points)	Gains/ losses	Gains/shareholders' equity – losses/ shareholders' equity
1	TRY	500 (400)	(11.814.957) 11.722.450	(19,34%) 19,19%
2	EUR ^(*)	200 (200)	2.798.078 (4.088.887)	4,58% (6,69%)
3	USD	200 (200)	(2.050.333) 2.830.762	(3,36%) 4,63%
Total (For negative shocks)			10.464.325	17,13%
Total (For positive shocks)			(11.067.212)	(18,12%)

^(*) Other currencies are shown under EUR

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Interest rate risk (continued)

Average interest rates applied to financial instruments:

Current period	EURO	USD	JPY	TRY
Assets				
Cash (cash in vault, foreign currency cash, money in transit, cheques purchased) and balances with the CBRT ⁽⁵⁾	-	-	-	8,50
Due from other banks and financial institutions ⁽¹⁾	0,20	0,50	-	15,65
Financial assets at fair value through profit and loss ⁽⁶⁾	-	6,95	-	18,66
Money market placements	-	-	-	-
FVTOCI financial assets	3,02	3,37	-	19,71
Loans ⁽²⁾	4,87	5,63	-	15,16
Amortized cost investments	4,76	5,97	-	24,19
Liabilities				
Bank deposits ⁽⁴⁾	0,15	0,87	-	17,05
Other deposits ⁽⁴⁾	0,43	1,00	-	13,82
Money market borrowings	-	4,19	-	14,06
Sundry creditors ⁽³⁾	-	-	-	5,00
Bonds issued	-	-	-	15,08
Funds provided from other financial institutions	1,32	1,56	-	16,98
<hr/>				
Prior Period	EURO	USD	JPY	TRY
Assets				
Cash (cash in vault, foreign currency cash, money in transit, cheques purchased) and balances with the CBRT ⁽⁵⁾	-	-	-	12,00
Due from other banks and financial institutions ⁽¹⁾	0,19	0,75	-	15,80
Financial assets at fair value through profit and loss	1,56	4,12	-	11,63
Money market placements	-	-	-	17,49
FVTOCI financial assets	2,28	2,94	-	13,84
Loans ⁽²⁾	5,03	5,98	-	11,31
Amortized cost investments	4,87	5,62	-	17,56
Liabilities				
Bank deposits	0,93	1,61	-	17,42
Other deposits ⁽⁴⁾	0,99	2,40	0,01	14,05
Money market borrowings	-	5,11	-	17,38
Sundry creditors ⁽³⁾	-	-	-	5,00
Bonds issued	-	4,75	-	14,11
Funds provided from other financial institutions ⁽⁴⁾	1,31	1,77	-	14,29

⁽¹⁾ Interest rates are calculated using weighted average method for placements as of the balance sheet date.

⁽²⁾ Interest rates for loans given as of the balance sheet date are calculated by using client based weighted average interests.

⁽³⁾ Declared TRY deposits interest rate with a maturity of twelve months as of 31 December 2021.

⁽⁴⁾ Demand deposit amounts are considered in the average interest rate calculation.

⁽⁵⁾ Average interest rates for reserve requirements of the CBRT as of the balance sheet date.

⁽⁶⁾ Borrowed securities are not included in the average interest rate calculation.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Interest rate risk (continued)

Interest rate sensitivity based on repricing dates:

	Up to 1 month	1 to 3 months	3 to 12 months	1 year to 5 years	Over 5 years	Non-interest bearing	Total
31 December 2021							
Assets							
Cash on hand	-	-	-	-	-	7.413.148	7.413.148
Balances with and reserve deposits at Central Bank	15.896.619	-	-	-	-	102.703.945	118.600.564
Due from banks	742.810	27.553	83.456	-	-	3.684.706	4.538.525
Financial assets at fair value through profit or loss	68.155	27.593	86.529	373	395	34.053.944	34.236.989
Loans and advances	105.871.769	142.099.706	129.470.137	104.228.846	55.173.563	2.672.018	539.516.039
Investment securities	37.819.076	22.175.793	40.677.334	63.986.959	37.054.393	350.596	202.064.151
Other assets	9.198.362	514.694	7.860	63.104	65.432	14.676.138	24.525.590
Total assets	169.596.791	164.845.339	170.325.316	168.279.282	92.293.783	165.554.495	930.895.006
Liabilities and equity							
Deposits from banks	33.582.812	2.215.041	73.419	-	-	28.183.136	64.054.408
Deposits from customers	296.634.682	100.745.931	28.715.195	4.158.491	83.851	153.036.727	583.374.877
Obligations under repurchase agreements	31.378.172	1.351.650	676.861	-	-	22.467	33.429.150
Loans and advances from banks	893.628	7.592.241	4.714.786	3.271.718	864.575	400.158	17.737.106
Interbank money market borrowings	106.457.730	18.801	-	-	-	129.064	106.605.595
Debt securities issued	2.252.586	4.654.492	234.392	1.000.000	-	35.302	8.176.772
Other liabilities ⁽¹⁾	6.557.722	1.546	24.875.066	13.808.799	4.929.795	67.344.170	117.517.098
Total liabilities and equity	477.757.332	116.579.702	59.289.719	22.239.008	5.878.221	249.151.024	930.895.006
On balance sheet interest sensitivity gap-Long	-	48.265.637	111.035.597	146.040.274	86.415.562	-	391.757.070
On balance sheet interest sensitivity gap-Short	(308.160.541)	-	-	-	-	(83.596.529)	(391.757.070)
Off balance sheet interest sensitivity gap-Long	70.599.820	7.460.045	14.609.201	1.519.795	9.246.541	-	103.435.402
Off balance sheet interest sensitivity gap-Short	(63.534.565)	(8.200.934)	(14.702.247)	(1.519.795)	(9.246.541)	-	(97.204.082)
Total position	(301.095.286)	47.524.748	110.942.551	146.040.274	86.415.562	(83.596.529)	6.231.320

⁽¹⁾ Shareholders’ equity is presented in the “non-interest bearing” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency-In thousands of Turkish Lira (“TRY”) unless otherwise stated)

5. Financial risk management (continued)

Interest rate risk (continued)

Interest rate sensitivity based on repricing dates (continued):

	Up to 1 month	1 to 3 months	3 to 12 months	1 year to 5 years	Over 5 years	Non-interest bearing	Total
31 December 2020							
Assets							
Cash on hand	-	-	-	-	-	5.063.008	5.063.008
Balances with and reserve deposits at Central Bank	6.746.564	-	-	-	-	53.166.910	59.913.474
Due from banks	1.277.047	31.035	34.508	5.396	-	1.585.661	2.933.647
Financial assets at fair value through profit or loss	28.070	27	31.047	998	248	18.010.555	18.070.945
Loans and advances	70.761.340	89.175.619	129.399.696	115.437.379	32.081.315	8.084.056	444.939.405
Investment securities	5.218.611	42.897.342	32.279.430	31.388.521	33.332.942	283.320	145.400.166
Other assets	515.810	475.200	48.290	22.707	-	18.199.168	19.261.175
Total assets	84.547.442	132.579.223	161.792.971	146.855.001	65.414.505	104.392.678	695.581.820
Liabilities and equity							
Deposits from banks	21.213.099	4.168.538	32.818	66.496	-	9.584.903	35.065.854
Deposits from customers	239.625.563	87.530.460	18.243.189	2.417.905	27.076	85.151.781	432.995.974
Obligations under repurchase agreements	33.199.617	740.000	-	-	-	20.831	33.960.448
Loans and advances from banks	839.080	5.397.838	3.653.635	2.547.328	765.962	3.667.982	16.871.825
Interbank money market borrowings	70.478.086	55.333	-	-	-	108.745	70.642.164
Debt securities issued	895.864	7.796.847	4.366.484	1.000.000	-	186.227	14.245.422
Other liabilities ⁽¹⁾	5.708.361	2.369	15.503.676	8.180.814	4.929.795	57.475.118	91.800.133
Total liabilities and equity	371.959.670	105.691.385	41.799.802	14.212.543	5.722.833	156.195.587	695.581.820
On balance sheet interest sensitivity gap-Long	-	26.887.838	119.993.169	132.642.458	59.691.672	-	339.215.137
On balance sheet interest sensitivity gap-Short	(287.412.228)	-	-	-	-	(51.739.920)	(339.152.148)
Off balance sheet interest sensitivity gap-Long	16.801.642	9.576.962	6.740.958	243.667	5.940.341	-	39.303.570
Off balance sheet interest sensitivity gap-Short	(16.123.947)	(7.712.951)	(7.051.134)	(883.737)	(5.940.341)	-	(37.712.110)
Total position	(286.734.533)	28.751.849	119.682.993	132.002.388	59.691.672	(51.739.920)	1.654.449

⁽¹⁾ Shareholders' equity is presented in the “non-interest bearing” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Capital adequacy

To monitor the adequacy of its capital, the Group uses ratios established by Banking Regulation and Supervision Agency (BRSA). The minimum ratio is 8% (12% if a bank operates in offshore markets). These ratios measure capital adequacy by comparing the Group's eligible capital with its balance sheet assets, off-balance sheet commitments and market and other risk positions at weighted amounts to reflect their relative risk. The bank operates in offshore markets. As of 31 December 2021, and 31 December 2020, its capital adequacy ratio is above 12%.

The Bank's consolidated regulatory capital position at 31 December 2021 and 31 December 2020 was as follows:

	31 December 2021	31 December 2020
Tier 1 capital	58.376.086	50.038.538
Tier 2 capital	11.737.047	10.652.718
Deductions from capital	(9.926)	(4.298)
Total regulatory capital	70.103.207	60.686.958
Credit Risk	457.884.181	372.232.593
Value at market risk	13.829.113	16.667.625
Operational risk	25.961.517	22.443.361
Counterparty credit risk and the amount of the discount threshold under the equity (subject to a 250% risk weight)	6.695.941	5.601.238
Capital ratios		
Total regulatory capital expressed as a percentage of total risk-weighted assets, value at market risk and operational risk	13,90%	14,56%
Total tier 1 capital expressed as a percentage of total risk-weighted assets, value at market risk and operational risk	11,57%	12,00%

Fair value of financial instruments

The carrying amounts and fair values of financial assets and financial liabilities are as follows:

	Carrying amount		Fair value	
	31 December 2021	31 December 2020	31 December 2021	31 December 2020
Financial assets				
Cash on hand	7.413.148	5.063.008	7.413.148	5.063.008
Balances with Central Bank	52.080.654	35.669.040	52.080.654	35.669.040
Reserve deposits at Central Bank	66.519.910	24.244.434	66.519.910	24.244.434
Due from banks	4.538.525	2.933.647	4.538.525	2.932.261
Loans and receivables	535.667.524	441.443.830	524.110.351	424.964.842
Investment securities				
-Amortized cost investment securities	133.161.956	84.793.952	109.958.138	79.467.966
Finance lease receivables	3.848.515	3.495.575	3.848.515	3.495.575
	803.230.232	597.643.486	768.469.241	575.837.126
Financial liabilities				
Deposits from banks	64.054.408	35.065.854	63.878.798	35.074.471
Deposits from customers	583.374.877	432.995.974	581.775.512	433.102.373
Obligations under repurchase agreements	33.429.150	33.960.448	33.429.150	33.960.448
Loans and advances from banks	17.737.106	16.871.825	17.990.629	17.188.021
Interbank money market borrowings	106.605.595	70.642.164	106.609.564	70.537.376
Debt securities issued	8.176.772	14.245.422	8.178.558	14.060.865
Other	15.808.036	7.053.350	15.808.036	7.053.350
	829.185.944	610.835.037	827.670.247	610.976.904

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Fair value of financial instruments (continued)

Fair values of financial assets such as financial assets at fair value through profit or loss, FVTOCI investment securities and amortized cost investment securities that are traded in active markets are based on quoted market prices or dealer price quotations. The Bank management has estimated that the fair value of certain financial assets and liabilities recorded at amortised cost are not materially different than their recorded values except for those of loans and advances, investment securities, deposits from customers, loans and advances from banks and debt securities issued. These financial assets and liabilities include due from banks, cash on hand, balances with Central Bank, reserve deposits at Central Bank, finance lease receivables, deposits from banks, obligations under repurchase agreements and interbank money market borrowings. The Bank management believes that the carrying amount of these particular financial assets and liabilities approximates their fair values, partially due to the fact that it is practice to renegotiate interest rates to reflect current market conditions.

For the financial assets and liabilities such as loans and advances, loans and advances from banks, finance lease receivables, deposits and derivative financial instruments; valuation techniques include net present value and discounted cash flow models, comparison to similar instruments for which market observable prices exist. Assumptions and inputs used in valuation techniques include risk-free and benchmark interest rates used in estimating discount rates and foreign currency exchange rates. The objective of valuation techniques is to arrive at a fair value determination that reflects the price of the financial instrument at the reporting date that would have been determined by market participants acting at arm's length.

Availability of observable market prices and model inputs reduces the need for management judgement and estimation and also reduces the uncertainty associated with determination of fair values. Availability of observable market prices and inputs varies depending on the products and markets and is prone to changes based on specific events and general conditions in the financial markets.

Classification of fair value measurement

The classification of fair value measurements into a fair value hierarchy by reference to the observability and significance of the inputs used in measuring fair value of financial instruments measured at fair value are disclosed. This classification basically relies on whether the relevant inputs are observable or not. Observable inputs refer to the use of market data obtained from independent sources, whereas unobservable inputs refer to the use of predictions and assumptions about the market made by the Group. This distinction brings about a fair value measurement classification generally as follows:

- Level 1: Assets and liabilities are classified as level 1 if their value is observable in an active market. Such instruments are valued by reference to unadjusted quoted prices for identical assets or liabilities in active markets where the quoted price is readily available, and the price represents actual and regularly occurring market transactions. An active market is one in which transactions occur with sufficient volume and frequency to provide pricing information on an ongoing basis.
- Level 2: Assets and liabilities classified as level 2 have been valued using models whose inputs are observable either directly or indirectly. Valuations based on observable inputs include assets and liabilities such as swaps and forwards which are valued using market standard pricing techniques, and options that are commonly traded in markets where all the inputs to the market standard pricing models are observable.
- Level 3: Assets and liabilities are classified as level 3 if their valuation incorporates significant inputs that are not based on observable market data (unobservable inputs). A valuation input is considered observable if it can be directly observed from transactions in an active market, or if there is compelling external evidence demonstrating an executable exit price. Unobservable input levels are generally determined via reference to observable inputs, historical observations or using other analytical techniques.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

5. Financial risk management (continued)

Classification of fair value measurement (continued)

Classification requires using observable market data if possible.

31 December 2021	Carrying amount	Level 1	Level 2	Level 3	Total
Financial assets at fair value through profit/loss:					
Financial assets at fair value through profit or loss ⁽¹⁾	9.073.171	84.276	8.988.895	-	9.073.171
Debt securities	84.276	84.276	-	-	84.276
Derivative financial assets	8.988.895	-	8.988.895	-	8.988.895
Share certificates	-	-	-	-	-
Other securities	-	-	-	-	-
FVTOCI financial assets ⁽²⁾	66.885.306	66.885.306	-	-	66.885.306
Debt securities	66.885.306	66.885.306	-	-	66.885.306
Other securities	-	-	-	-	-
Total financial assets	75.958.477	66.969.582	8.988.895	-	75.958.477
Financial liabilities at fair value through profit/loss:					
Derivative financial liabilities	2.470.437	-	2.470.437	-	2.470.437
Total financial liabilities	2.470.437	-	2.470.437	-	2.470.437

(1) As of 31 December 2021, marketable securities amounting to TRY 294.710 that are measured at amortised cost, are not included in financial assets at fair value through profit or loss.

(2) As of 31 December 2021, securities not quoted on the stock exchange amounting to TRY 2.016.889 of financial assets at fair value through other comprehensive income are not included in the above table.

31 December 2020	Carrying amount	Level 1	Level 2	Level 3	Total
Financial assets at fair value through profit/loss:					
Financial assets at fair value through profit or loss ⁽¹⁾	2.380.499	33.217	2.347.282	-	2.380.499
Debt securities	33.217	33.217	-	-	33.217
Derivative financial assets	2.347.282	-	2.347.282	-	2.347.282
Share certificates	-	-	-	-	-
Other securities	-	-	-	-	-
FVTOCI financial assets ⁽²⁾	60.312.157	60.312.157	-	-	60.312.157
Debt securities	60.312.157	60.312.157	-	-	60.312.157
Other securities	-	-	-	-	-
Total financial assets	62.692.656	60.345.374	2.347.282	-	62.692.656
Financial liabilities at fair value through profit/loss:					
Derivative financial liabilities	534.225	-	534.225	-	534.225
Total financial liabilities	534.225	-	534.225	-	534.225

(1) As of 31 December 2020, marketable securities amounting to TRY 190.821 that are measured at amortised cost, are not included in financial assets at fair value through profit or loss.

(2) As of 31 December 2020, share certificates amounting to TRY 294.057 in FVTOCI financial assets are not included in the above table, which are measured at cost.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

6. Financial instruments

Carrying amounts and fair values

The following table shows the carrying amounts and fair values of financial assets and financial liabilities, including their levels in the fair value hierarchy for financial instruments. It does not include fair value information for financial assets and liabilities not measured at fair value if the carrying amount is a reasonable approximation of fair value.

	Carrying amount			Fair value			Total
	Loans and receivables	Investments, including derivatives	Total	Level 1 ⁽¹⁾⁽²⁾	Level 2	Level 3	
31 December 2021							
Due from banks (including central banks)	123.140.090	-	123.140.090	-	-	-	-
Financial assets at fair value through profit or loss:							
-Trading securities	-	378.986	378.986	84.276	-	-	84.276
-Derivative financial instruments	-	8.988.895	8.988.895	-	8.988.895	-	8.988.895
Loans and receivables	539.516.039	-	539.516.039	-	-	-	-
Investment securities:							
- Debt and other instruments at FVTOCI	-	68.902.195	68.902.195	66.885.306	-	-	66.885.306
- Debt and other instruments at amortised cost	-	133.161.956	133.161.956	-	-	-	-
Insurance premium receivables	93.657	-	93.657	-	-	-	-
Total financial assets	662.749.786	211.432.032	874.181.818				
31 December 2020							
Due from banks (including central banks)	62.847.121	-	62.847.121	-	-	-	-
Financial assets at fair value through profit or loss:							
-Trading securities	-	224.038	224.038	33.217	-	-	33.217
-Derivative financial instruments	-	2.347.282	2.347.282	-	2.347.282	-	2.347.282
Loans and receivables	444.939.405	-	444.939.405	-	-	-	-
Investment securities:							
- Debt and other instruments at FVTOCI	-	60.606.214	60.606.214	60.312.157	-	-	60.312.157
- Debt and other instruments at amortised cost	-	84.793.952	84.793.952	-	-	-	-
Insurance premium receivables	46.369	-	46.369	-	-	-	-
Total financial assets	507.832.895	147.971.486	655.804.381				

(1) As of 31 December 2021, marketable securities amounting to TRY 122.711 (31 December 2020: TRY 28.791) that are measured at cost, are not included in financial assets at fair value through profit or loss.

(2) As of 31 December 2021, securities not quoted on the stock exchange amounting to TRY 2.016.889 of financial assets at fair value through other comprehensive income are not included in the above table.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira ("TRY") unless otherwise stated)

6. Financial instruments (continued)

Carrying amounts and fair values (continued)

Financial liabilities	Carrying amount			Fair value			Total
	Loans and borrowings	Derivatives	Total	Level 1	Level 2	Level 3	
31 December 2021							
Deposits from banks	64.054.408	-	64.054.408	-	-	-	-
Deposits from customers	583.374.877	-	583.374.877	-	-	-	-
Obligations under repurchase agreements	33.429.150	-	33.429.150	-	-	-	-
Loans and advances from banks	17.737.106	-	17.737.106	-	-	-	-
Interbank money market borrowings	106.605.595	-	106.605.595	-	-	-	-
Derivative financial instruments	-	2.470.437	2.470.437	-	2.470.437	-	2.470.437
Debt securities issued	8.176.772	-	8.176.772	-	-	-	-
Total financial liabilities	813.377.908	2.470.437	815.848.345				
31 December 2020							
Deposits from banks	35.065.854	-	35.065.854	-	-	-	-
Deposits from customers	432.995.974	-	432.995.974	-	-	-	-
Obligations under repurchase agreements	33.960.448	-	33.960.448	-	-	-	-
Loans and advances from banks	16.871.825	-	16.871.825	-	-	-	-
Interbank money market borrowings	70.642.164	-	70.642.164	-	-	-	-
Derivative financial instruments	-	534.225	534.225	-	534.225	-	534.225
Debt securities issued	14.245.422	-	14.245.422	-	-	-	-
Total financial liabilities	603.781.687	534.225	604.315.912				

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency - In thousands of Turkish Lira (“TRY”) unless otherwise stated)

7. Operating segments

The Group has five reportable segments, corporate, commercial, entrepreneur, treasury/investment and other which are the Group’s strategic business units. The strategic business units offer different products and services and are managed separately based on the Group’s management and internal reporting structure. For each of the strategic business units, the Board of Directors reviews internal management reports on at least a quarterly basis.

31 December 2021	Corporate / Commercial	Integrated	Treasury / Investment ⁽²⁾	Other ⁽¹⁾	Group
Interest income	15.819.162	38.342.805	29.905.772	746.506	84.814.245
Interest expenses	(15.536.256)	(24.415.122)	(23.823.283)	(304.477)	(64.079.138)
Net interest income	282.906	13.927.683	6.082.489	442.029	20.735.107
Net fee and commission income	1.291.317	2.417.278	816.935	(1.409)	4.524.121
Net trading income from securities	-	-	67.410	-	67.410
Net trading income from derivative transactions	-	31.290	18.510.039	-	18.541.329
Foreign exchange gains/ (losses), net	22.916	7.006.769	(38.302.833)	5.368.146	(25.905.002)
Net impairment losses on loans and advances	(446.498)	(1.084.080)	(4.200.329)	(91.614)	(5.822.521)
Income from insurance operations	-	-	127.860	-	127.860
Cost of insurance operations	-	-	(82.283)	-	(82.283)
Dividend income	-	-	4.051	-	4.051
Other operating income & share of profit of equity-accounted investees	246.629	140.822	442.338	11.943	841.732
Other operating expenses	(391.184)	(4.853.884)	(5.230.984)	(74.728)	(10.550.780)
Profit before income tax	1.006.086	17.585.878	(21.765.307)	5.654.367	2.481.024
Income tax charge	-	-	87.276	(61.519)	25.757
Profit for the period	1.006.086	17.585.878	(21.678.031)	5.592.848	2.506.781

⁽¹⁾ Halk Finansal Kiralama AŞ, Halk Faktoring AŞ and Halk Varlık AŞ transactions are shown in other column.

⁽²⁾ Halk Yatırım Menkul Değerler AŞ, Halk Gayrimenkul Yatırım Ortaklığı AŞ, Halkbank Bank AD, Beograd and Halk Banka AD, Skopje transactions are shown in “treasury/investment” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

7. Operating segments (continued)

31 December 2020	Corporate / Commercial	Integrated	Treasury / Investment ⁽²⁾	Other ⁽¹⁾	Group
Interest income	12.006.217	25.712.589	16.330.643	679.730	54.729.179
Interest expenses	(10.626.323)	(11.228.426)	(13.154.303)	(188.308)	(35.197.360)
Net interest income	1.379.894	14.484.163	3.176.340	491.422	19.531.819
Net fee and commission income	976.093	1.542.501	439.994	(68.639)	2.889.949
Net trading income from securities	-	-	100.666	-	100.666
Net trading income from derivative transactions	-	35.382	2.696.215	-	2.731.597
Foreign exchange gains/ (losses), net	4.556	1.692.827	(9.761.286)	18.627	(8.045.276)
Net impairment losses on loans and advances	(2.118.715)	(1.234.783)	(3.461.745)	(96.384)	(6.911.627)
Income from insurance operations	-	-	84.599	-	84.599
Cost of insurance operations	-	-	(17.195)	-	(17.195)
Dividend income	-	-	4.196	764	4.960
Other operating income & share of profit of equity-accounted investees	322.020	558.365	386.857	1.137.039	2.404.281
Other operating expenses	(397.264)	(3.430.025)	(4.735.295)	(494.561)	(9.057.145)
Profit before income tax	166.584	13.648.430	(11.086.654)	988.268	3.716.628
Income tax charge	-	-	(690.897)	46.817	(644.080)
Profit for the period	166.584	13.648.430	(11.777.551)	1.035.085	3.072.548

⁽¹⁾ Halk Hayat ve Emeklilik AŞ, Halk Sigorta AŞ and Halk Finansal Kiralama AŞ, Halk Faktoring AŞ and Halk Varlık AŞ transactions are shown in other column.

⁽²⁾ Halk Yatırım Menkul Değerler AŞ, Halk Gayrimenkul Yatırım Ortaklığı AŞ, Halkbank Bank AD, Beograd and Halk Banka AD, Skopje transactions are shown in “treasury/investment” column.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

7. Operating segments (continued)

The segment assets and liabilities as at 31 December 2021 are as follows:

Assets and liabilities	Corporate / Commercial	Integrated	Treasury / Investment ⁽¹⁾	Other	Group
Segment assets	195.599.247	332.378.843	394.489.785	7.247.169	929.715.044
Investment in equity-accounted investees	-	-	1.179.962	-	1.179.962
Total assets	195.599.247	332.378.843	395.669.747	7.247.169	930.895.006
Segment liabilities	202.681.846	416.610.945	262.735.379	5.646.677	887.674.847
Total liabilities	202.681.846	416.610.945	262.735.379	5.646.677	887.674.847

⁽¹⁾ Property and equipment, intangible assets, non-current assets held for sale and deferred tax assets of the Group are presented under “Treasury / Investment” column.

The segment assets and liabilities as at 31 December 2020 are as follows:

Assets and liabilities	Corporate / Commercial	Integrated	Treasury / Investment ⁽¹⁾	Other	Group
Segment assets	146.117.907	293.039.885	249.354.115	6.372.008	694.883.915
Investment in equity-accounted investees	-	-	697.905	-	697.905
Total assets	146.117.907	293.039.885	250.052.020	6.372.008	695.581.820
Segment liabilities	176.173.679	287.611.272	185.764.561	3.882.593	653.432.105
Total liabilities	176.173.679	287.611.272	185.764.561	3.882.593	653.432.105

⁽¹⁾ Property and equipment, intangible assets, non-current assets held for sale and deferred tax assets of the Group are presented under “Treasury / Investment” column.

Geographical segments

The Group’s geographical segments are based on the location of Group’s assets. The Group’s activities are conducted predominantly in Turkey and Turkey is the home country of the Bank. The areas of operation include all the primary business segments.

Total assets and total liabilities are based on the country in which the branch or subsidiary is located. Segment revenue from external customers included in operating income is based on the geographical location of customers or counterparties. The Group conducts majority of its business activities with local customers in Turkey. Accordingly, geographical segment revenue from customers outside of Turkey does not exceed 10% of total entity revenue.

The Group’s acquisition of properties and equipment, intangible assets and investment properties as of 31 December 2021 is mainly occurred in Turkey.

8. Cash on hand

At 31 December 2021 and 31 December 2020, cash on hand comprised the following:

	31 December 2021	31 December 2020
Cash on hand		
- Turkish Lira	1.900.638	1.737.084
- Foreign currency	5.092.591	3.219.368
Precious metals (gold)	419.892	106.468
Other liquid assets	27	88
Total cash on hand	7.413.148	5.063.008

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

9. Balances with Central Bank

	31 December 2021	31 December 2020
Unrestricted balances with Central Bank		
Demand deposits – Turkish Lira	17.195.448	6.494.908
Demand deposits – Foreign currency	34.885.206	29.174.132
	52.080.654	35.669.040
Reserve deposits		
Reserve deposits – Turkish Lira	402.413	156.154
Reserve deposits – Foreign currency	66.117.497	24.088.280
	66.519.910	24.244.434
Total balances with Central Bank	118.600.564	59.913.474

As per the Communiqué no. 2013/15 “Reserve Deposits” of the Central Bank of the Republic of Turkey (CBRT), banks operating in Turkey keep reserve deposits for their TRY liabilities held at TRY, US Dollar, Euro and/or standard gold and/or scrap gold with reserve deposit rates between 3%-8% varied according to their maturity compositions, for their FC liabilities at TRY, US Dollar, Euro and/or standard gold with reserve deposit rates between 5%-26% varied according to their maturity compositions.

With the decision No.1072 dated 27 December 2019 of the Central Bank of the Turkish Republic of Northern Cyprus, reserve requirement ratio is applied between 5% to 8% for the Turkish currency and foreign currency liabilities.

With the Board of Directors decision No. 126/11 dated 2011 of the Central Bank of Macedonia, reserve requirement ratio is 8% for MKD currency liabilities, 15% for foreign currency liabilities and 50% for foreign indexed liabilities.

According to the Official Gazette of Serbia No. 76/2018 of the Central Bank of Serbia, banks maintain reserve requirement of 5% for short term liabilities with maturities less than two years and 0% for long term liabilities with maturities more than two years, 20% for short term foreign currency liabilities with maturities less than two years and 13% for long term foreign liabilities with maturities more than two years and 100% for foreign currency index liabilities.

10. Due from banks

	31 December 2021	31 December 2020
Domestic banks		
Demand deposits – Turkish Lira	62.856	47.371
Demand deposits – Foreign currency	228.391	63.656
Time deposits – Turkish Lira	210.446	136.290
Time deposits – Foreign currency	27.635	74.933
	529.328	322.250
Foreign banks		
Demand deposits – Turkish Lira	41.387	38.298
Demand deposits – Foreign currency	3.734.950	1.311.190
Time deposits – Turkish Lira	81.039	65.024
Time deposits – Foreign currency	151.821	943.888
	4.009.197	2.358.400
Money market placements	-	252.997
Total due from banks	4.538.525	2.933.647

For cash flow purposes, bank balances and money market placements having original maturity of less than 3 months were classified as cash and cash equivalents. These balances are amounting to TRY 4.391.942 as at 31 December 2021 (31 December 2020: TRY 2.902.544).

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021
(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

11. Loans and receivables

As at 31 December 2021 and 31 December 2020, all the loans and advances to customers are at amortized cost.

	31 December 2021	31 December 2020
Performing loans	546.445.917	445.324.937
Non-performing loans	17.291.433	17.751.644
Gross amount	563.737.350	463.076.581
ECL on cash loans - Stage 3	(12.578.993)	(11.686.235)
ECL on cash loans - Stage 1 & 2	(11.642.318)	(6.450.941)
Carrying amount	539.516.039	444.939.405

The movement of loss allowances

	1 January- 31 December 2021	1 January- 31 December 2020
Balance on 1 January	(18.137.176)	(12.031.340)
Net impairment loss/reversals for the period:		
- Net charge for the period	(11.760.866)	(6.959.410)
- Prior years recoveries and reversals	5.676.731	853.574
Balance at end of the period	(24.221.311)	(18.137.176)

	31 December 2021	31 December 2020
Short term loans		
Guaranteed export loans	3.992.737	3.517.349
Other guaranteed loans	82.381.988	40.935.322
Other non-guaranteed loans	17.893.877	13.027.906
Loans provided to financial sector	978.941	880.369
Loans provided to foreign institutions	351.552	176.751
Non-guaranteed export loans	1.572.886	734.073
Finance lease receivables	1.519.068	1.392.496
Factoring receivables	1.658.209	1.677.682
Interest accruals	1.752.891	1.500.786
	112.102.149	63.842.734
Medium and long term loans		
Guaranteed other investment and operating loans	288.385.489	257.154.326
Other non-guaranteed loans	131.188.717	111.714.738
Loans given to foreign institutions	967.086	789.431
Loans given to financial sector	4.363.902	4.096.328
Finance lease receivables	2.237.943	1.935.318
Interest accruals	7.200.631	5.792.062
	434.343.768	381.482.203
Total performing loans and advances	546.445.917	445.324.937

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

11. Loans and receivables (continued)

The credit quality analysis of cash loans and advances to customers, including related income accruals, is as follows as of 31 December 2021 and 2020:

	2021			2020		
	Stage 1	Stage 2	Stage 3	Stage 1	Stage 2	Stage 3
Stage 1: Low-fair risk	490.120.372	-	-	400.322.991	-	-
Stage 2: Watch list	-	47.372.022	-	-	37.709.098	-
Stage 3.1: Substandard	-	-	2.586.006	-	-	2.343.433
Stage 3.2: Doubtful	-	-	767.856	-	-	632.688
Stage 3.3: Loss	-	-	11.940.445	-	-	12.583.789
Total loans	490.120.372	47.372.022	15.294.307	400.322.991	37.709.098	15.559.910
Income accrual on loans	6.706.884	2.246.639	1.997.126	5.480.186	1.812.662	2.191.734
Expected credit losses	3.741.241	7.901.077	12.578.993	2.324.758	4.126.183	11.686.235
Total carrying amount	493.086.015	41.717.584	4.712.440	403.478.419	35.395.577	6.065.409

Finance Lease Receivables

Maturity structure of investments on financial lease:

	31 December 2021		31 December 2020	
	Gross	Net	Gross	Net
Less than 1 year	2.058.860	1.626.152	1.418.220	1.074.572
Between 1-4 years	1.940.974	1.328.082	2.101.473	1.577.264
More than 4 years	1.182.442	894.281	1.077.725	843.739
Total	5.182.276	3.848.515	4.597.418	3.495.575

Information on gross investments of financial lease:

	31 December 2021	31 December 2020
Gross financial lease investment	5.182.276	4.597.418
Unearned revenues from financial lease	(1.333.761)	(1.101.843)
Net finance lease receivable	3.848.515	3.495.575

Information on receivables from non-performing loans of financial lease:

	31 December 2021	31 December 2020
Non-performing financial lease receivables	481.632	575.304
ECL/Specific provisions	(414.935)	(480.598)
Total	66.697	94.706

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

11. Loans and receivables (continued)

Finance Lease Receivables (continued)

The movement in the allowance for impairment on finance lease receivables for the year ended 31 December 2021 and 31 December 2020 are as follows:

	1 January – 31 December 2021	1 January – 31 December 2020
Balance on 1 January	(480.598)	(429.209)
Net impairment loss for the year:	65.663	(51.389)
- Charge for the year	(45.944)	(54.101)
- Recoveries and reversals	36.685	2.712
- Write-offs	74.922	-
Total	(414.935)	(480.598)

Explanations on write-off policy:

As per the provisions of IFRS 9 Financial Instruments Standard, banks are allowed to derecognize the unexpected portion of the loans under follow-up.

The Group derecognized non-performing loan amounting to TRY 39.213 due to lack of reasonable expectations in the current period, and this derecognition has no effect on the NPL ratio. (In the previous period, the Group derecognized non-performing loan amounting to TRY 602.081 on the grounds that there was no reasonable expectation, and the Group's non-performing loan ratio decreased from 3.87% to 3.74% after the loans were written off in accordance with the related the Regulation of Allowance.)

12. Securities Portfolio

Debt and other instruments at FVTOCI

At 31 December 2021 and 31 December 2020, debt and other instruments at FVTOCI portfolio comprised the following:

	31 December 2021	31 December 2020
Treasury bills and government bonds	70.260.618	60.508.586
Equity shares	394.902	312.871
Impairment provision	(1.753.325)	(215.243)
Total	68.902.195	60.606.214

Debt and other instruments at FVTOCI include securities given as collateral amounting to TRY 37.116.274 (31 December 2020: TRY 26.871.219). As of 31 December 2021, debt and other instruments at FVTOCI include securities pledged under repurchase agreements amounting to TRY 56.683 (31 December 2020: TRY 245.865).

Debt and other instruments at amortised cost

	31 December 2021	31 December 2020
Debt securities:		
Quoted on a stock exchange	132.853.694	84.621.031
Not quoted	324.970	183.658
ECL on amortised cost portfolio	(16.708)	(10.737)
Total	133.161.956	84.793.952

Debt and other instruments at amortised cost comprise the following items:

	31 December 2021	31 December 2020
Government bonds	133.128.141	84.754.170
Other securities	50.523	50.519
ECL on amortised cost portfolio	(16.708)	(10.737)
Total	133.161.956	84.793.952

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

12. Securities portfolio (continued)

Debt and other instruments at amortised cost include securities pledged under repurchase agreements and given as collateral amounting to TRY 13.834.349 and TRY 104.860.098 (31 December 2020: TRY 20.880.152 and TRY 51.617.524) respectively.

The movements of debt and other instruments at amortised cost in the period ended 31 December 2021 and 31 December 2020 are as follows:

	1 January- 31 December 2021	1 January- 31 December 2020
Beginning balance	84.793.952	72.461.381
Foreign currency differences	17.932.370	5.543.919
Purchases during the period ⁽¹⁾	41.281.309	24.351.440
Disposals through sales and redemptions	(10.839.704)	(17.561.792)
ECL on amortised cost portfolio	(5.971)	(996)
Balance at the end of the period / year	133.161.956	84.793.952

⁽¹⁾ Interest income accrual differences between 31 December 2021 amounting to TRY 31.918.355 and 31 December 2020 amounting to TRY 14.515.145 have been included in purchases during the period row.

13. Insurance receivables and insurance contract liabilities

Insurance receivables

At 31 December 2021 and 31 December 2020, insurance receivables comprised the following:

	31 December 2021	31 December 2020
Receivables from reinsurance and insurance companies	33.229	11.409
Receivables from agencies, brokers and intermediaries	88.547	45.811
Total insurance receivables	121.776	57.220
Allowance for non-performing insurance receivables	(28.119)	(10.851)
Insurance receivables, net	93.657	46.369

The movement in the allowance for impairment in respect of insurance receivables for the year ended 31 December 2021 and 31 December 2020 are as follows:

	1 January – 31 December 2021	1 January – 31 December 2020
Balance at 1 January	10.851	67.017
Impairment loss recognised	9.178	1.441
Transfers to non-current liabilities held for sale	8.090	(57.607)
Collections during the period	-	-
Balance at 31 December	28.119	10.851

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

13. Insurance receivables and insurance contract liabilities (continued)

Insurance contract liabilities

Insurance technical reserves as of 31 December 2021 and 31 December 2020 are detailed in the tables below:

	31 December 2021	31 December 2020
Life mathematical reserve	-	-
Unearned premiums reserve	100.423	51.174
Claims provision	105.956	42.464
Unexpired risk reserve	-	-
Other technical reserves	-	-
Total technical reserve	206.379	93.638
Other insurance liabilities	-	-
Total insurance contract liabilities	206.379	93.638

14. Equity accounted investees

Carrying amount of equity accounted investees is summarized below:

	31 December 2021	31 December 2020
Demir-Halk Bank NV	1.108.396	681.339
Kobi Girişim Sermayesi Yatırım Ortaklığı AŞ	20.907	16.566
Other Investments	50.659	-
Equity accounted investees	1.179.962	697.905

Summary financial information for equity accounted investees, not adjusted for the percentage ownership held by the Group is as follows:

	Ownership	Total assets	Equity	Profit / (loss) for the year
2021				
Demir-Halk Bank NV	30,00%	27.661.534	3.694.652	106.321
Kobi Girişim Sermayesi Yatırım Ortaklığı AŞ	31,47%	67.462	66.435	13.794
2020				
Demir-Halk Bank NV	30,00%	13.898.418	2.271.129	76.543
Kobi Girişim Sermayesi Yatırım Ortaklığı AŞ	31,47%	53.594	52.641	(506)

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

15. Property and equipment

	Land and buildings	Lease hold improvements	Other movable tangible assets	Total
Cost				
Balance at 1 January 2020	3.481.440	248.546	2.177.276	5.907.262
Additions	421.362	74.203	2.294.438	2.790.003
Disposals	(60.490)	-	(1.604.426)	(1.664.916)
Revaluation surplus	517.695	-	-	517.695
Transfers	(15.364)	-	(47.622)	(62.986)
Balance at 31 December 2020	4.344.643	322.749	2.819.666	7.487.058
Balance at 1 January 2021	4.344.643	322.749	2.819.666	7.487.058
Additions	695.983	170.987	1.058.818	1.925.788
Disposals	(42.323)	-	(407.619)	(449.942)
Revaluation surplus	789.128	-	-	789.128
Transfers	40.352	-	(7.621)	32.731
Balance at 31 December 2021	5.827.783	493.736	3.463.244	9.784.763
Depreciation and impairment losses				
Balance at 1 January 2020	(245.663)	(152.660)	(1.018.986)	(1.417.309)
Depreciation for the year	(26.637)	(40.879)	(462.045)	(529.561)
Disposals	12.834	-	116.101	128.935
Revaluation surplus	(59.012)	-	-	(59.012)
Transfers	53	-	9	62
Balance at 31 December 2020	(318.425)	(193.539)	(1.364.921)	(1.876.885)
Balance at 1 January 2021	(318.425)	(193.539)	(1.364.921)	(1.876.885)
Depreciation for the year	(92.484)	(70.446)	(652.377)	(815.307)
Disposals	3.926	-	173.467	177.393
Revaluation surplus	(139.675)	-	-	(139.675)
Transfers	(391)	-	384	(7)
Balance at 31 December 2021	(547.049)	(263.985)	(1.843.447)	(2.654.481)
Provision for impairment at 1 January 2020				
Additions	-	-	-	-
Disposals	-	-	-	-
Transfers	(6.104)	-	-	(6.104)
Total provision for impairment at 31 December 2020	(6.104)	-	-	(6.104)
Provision for impairment at 1 January 2021				
Additions	-	-	-	-
Disposals	-	-	-	-
Transfers	(19.680)	-	-	(19.680)
Total provision for impairment at 31 December 2021	(19.680)	-	-	(19.680)
Carrying amounts				
At 1 January 2020	3.235.777	95.886	1.158.290	4.489.953
At 31 December 2020	4.020.114	129.210	1.454.745	5.604.069
At 31 December 2021	5.261.054	229.751	1.619.797	7.110.602

The fair values of land and buildings were determined from market-based evidence by appraisals which are undertaken by qualified external appraisers. The Group renews the revaluations every year and recognizes impairment loss when the recoverable amounts of such assets become less than their carrying amounts. The fair value of the lands and buildings which are held for use are determined with equivalence value.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

16. Intangible assets

	Intangible assets	Total
Cost		
Balance at 1 January 2020	432.440	432.440
Additions	563.799	563.799
Disposals	(15.252)	(15.252)
Transfers	-	-
Balance at 31 December 2020	980.987	980.987
Balance at 1 January 2021	980.987	980.987
Additions	270.344	270.344
Disposals	(2.758)	(2.758)
Transfers	-	-
Balance at 31 December 2021	1.248.573	1.248.573
Amortisation		
Opening balance, 1 January 2020	(223.923)	(223.923)
Amortisation for the year	(118.356)	(118.356)
Disposals	-	-
Transfers	-	-
Balance at 31 December 2020	(342.279)	(342.279)
Opening balance, 1 January 2021	(342.279)	(342.279)
Amortisation for the year	(228.538)	(228.538)
Disposals	2.360	2.360
Transfers	-	-
Balance at 31 December 2021	(568.457)	(568.457)
Carrying amounts		
At 1 January 2020	185.789	185.789
At 31 December 2020	638.708	638.708
At 31 December 2021	680.116	680.116

17. Non-current assets held for sale

Certain non-current assets primarily related to the collateral collected on non-performing loans are classified as held for sale if their carrying amount will be recovered principally through a sale transaction rather than through continuing use. This condition is regarded as met only when the sale is highly probable and the asset is available for immediate sale in its present condition. Management must be committed to the sale, which should be expected to qualify for recognition as a completed sale within one year from the date of classification.

The non-current assets held for sale of the Group as of 31 December 2021 is TRY 2.481 (31 December 2020: TRY 1.441).

	31 December 2021	31 December 2020
Total assets classified as held for sale	2.481	1.441
Trade and other payables, and total for liabilities associated with assets classified as held for sale	-	-
Net assets / (liabilities) of disposal group	2.481	1.441
Net	2.481	1.441

18. Discontinued operations

The profit for the year from the held for sale operations is analyzed as follows:

	1 January – 31 December 2021	1 January – 31 December 2020
Profit of held for sale operations for the year	-	938.770
	-	938.770

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

18. Discontinued operations (continued)

The results of the held for sale operations for the period from 1 January 2021 to 31 December 2021 are as follow:

	1 January – 31 December 2021	1 January – 31 December 2020
Interest Income	-	136.616
Interest Expense (-)	-	(2.788)
Fee and commission income	-	34.738
Fee and commission expense (-)	-	(123.278)
Other income / expense (-)	-	703.854
Profit before tax	-	749.142
Income tax income / expense (-)	-	189.628
Profit for the year	-	938.770

19. Investment properties

	1 January – 31 December 2021	1 January – 31 December 2020
Balance at 1 January	1.207.261	1.104.463
Acquisitions	251.888	95.261
Transfer	(40.352)	15.364
Disposals	(36.780)	(1.271)
Depreciation	(8.200)	(6.556)
Balance at 31 December	1.373.817	1.207.261

TRY 35.600 of rent income is generated from investment properties in the current year (31 December 2020: TRY 33.200).

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

20. Other assets

At 31 December 2021 and 31 December 2020, other assets comprised the following:

	31 December 2021	31 December 2020
Assets obtained for non-performing loans and receivables	4.562.262	4.680.512
Prepaid expenses	1.899.888	1.775.384
Clearing house account	1.612.771	958.380
Receivables from financial sector activities	721.869	615.322
Guarantees given for derivative financial instruments	796.684	528.470
Receivables from credit card payments	844.538	514.545
Advances given for lease transactions	541.080	211.128
Receivables from asset sale on credit terms	173.345	45.845
Cash guarantees given	37.437	7.219
Other assets	2.440.751	1.192.605
Total other assets	13.630.625	10.529.410

21. Deposits

At 31 December 2021 and 31 December 2020, deposits from banks comprised the following:

	31 December 2021	31 December 2020
Demand deposits	28.422.696	9.514.652
Time deposits	35.631.712	25.551.202
Deposits from banks	64.054.408	35.065.854

As at 31 December 2021, deposits from banks include TRY accounts amounting to TRY 24.219.778 (31 December 2020: TRY 20.161.554) and foreign currency accounts amounting to TRY 39.834.630 (31 December 2020: TRY 14.904.300) in total.

At 31 December 2021 and 31 December 2020, deposits from customers comprised the following:

	31 December 2021		31 December 2020	
	Demand	Time	Demand	Time
Saving deposits ^(*)	14.771.332	93.512.076	11.028.480	78.428.318
Foreign currency deposits	104.199.802	243.943.218	53.492.877	137.895.630
Commercial deposits	19.264.364	62.201.912	11.726.342	86.142.967
Public institutions and other deposits	6.694.271	38.787.902	4.813.130	49.468.230
Deposits from customers	144.929.769	438.445.108	81.060.829	351.935.145

(*) As of 31 December 2021, the Bank has a total of TRY 13.050.234 foreign exchange-protected deposit instrument within the scope of the "Communiqué on Supporting the Conversion of Turkish Lira Deposit and Participation Accounts" published by the CBRT in the Official Gazette dated 21 December 2021, opened within the scope of the announcement of the Ministry of Treasury and Finance ("Treasury") dated 24 December 2021.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

22. Obligations under repurchase agreements

The Group raises funds by selling financial instruments under agreements to repay the funds by repurchasing the instruments at future dates at the same price plus interest at a predetermined rate. Repurchase agreements are commonly used as a tool for short-term financing of interest-earning assets, depending on the prevailing interest rates. The securities sold under repurchase agreements and corresponding obligations are as follows:

	31 December 2021	31 December 2020
Obligations under repurchase agreements	33.429.150	33.960.448
Total	33.429.150	33.960.448

The proceeds from the sale of securities under repurchase agreements are treated as liabilities and recorded as obligations under repurchase agreements. As at 31 December 2021, the maturities of the obligations varied from one day to 1 year (31 December 2020: one day to 1 year).

23. Loans and advances from banks

At 31 December 2021 and 31 December 2020, loans and advances from banks comprised the following:

	31 December 2021	31 December 2020
Borrowings	17.598.565	13.254.522
Funds	138.541	3.617.303
Total	17.737.106	16.871.825

At 31 December 2021 and 31 December 2020, borrowings comprised the following:

	31 December 2021		31 December 2020	
	Short term	Long term	Short term	Long term
Loans and advances from domestic banks and institutions	2.384.433	1.922.530	1.401.526	5.420.545
Loans and advances from foreign banks and institutions	27.576	13.402.567	12.382	10.037.372
Borrowings	2.412.009	15.325.097	1.413.908	15.457.917

The Group has not had any defaults of principal, interest or redemption amounts or other breaches of loan covenants as of 31 December 2021 (31 December 2020: None).

Funds borrowed include funds obtained that are granted as loans as specified in the agreements signed between the Bank and the ministries or the institutions that the funds belong to.

As at 31 December 2021 and 31 December 2020, interest rates and maturities of bank borrowings are as follows:

Fixed rates			
31 December 2021	Amount	Interest rate	Maturity
USD borrowings	6.062.992	0,45% - 5,15%	January 2022 - March 2043
EUR borrowings	10.587.141	0,2% - 6,0%	January 2022 - September 2038
TRY borrowings	938.425	15% - 20,60%	January 2022 - June 2023
Other borrowings	10.007	0,25%	January 2022 - March 2022
Total	17.598.565		

Fixed rates			
31 December 2020	Amount	Interest rate	Maturity
USD borrowings	3.953.548	0,58% - 6,42%	January 2021 - March 2043
EUR borrowings	8.592.075	0% - 3,75%	January 2021 - September 2038
TRY borrowings	706.399	7,25% - 17,50%	January 2021 - December 2021
Other borrowings	2.500	0% - 4,05%	January 2021 - August 2021
Total	13.254.522		

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

24. Interbank money market borrowings

	31 December 2021	31 December 2020
Payables to stock exchange money market	105.998.395	70.163.419
On behalf of customers	607.200	478.745
Total	106.605.595	70.642.164

Payables to stock exchange money markets have a maturity of 7 days (31 December 2020: 31 days) 14,06% of interest rates (31 December 2020: 17,38%).

25. Taxation

In accordance with the temporary article 13 added to the Corporate Tax Law No. 5520, the 20% rate in the first paragraph of Article 32 of the Corporate Tax Law is, 25% for the corporate earnings of the corporations for the 2021 taxation period, and %23 for the corporate earnings of the 2022 taxation period. In accordance with the relevant law, provisional tax is calculated quarterly according to the principles specified in the Income Tax Law and at the rate of corporate tax, and the accrued temporary corporate tax is paid. The provisional tax payments in question are deducted from the corporate tax of the current taxation period.

Pursuant to the Repetitive Article 298 of the Tax Procedure Law No. 213, the inflation adjustment requirement for the financial statements has occurred depending on the fact that the increase in the price index in the 2021 accounting period is more than 100% in the last three accounting periods, including the current period, and more than 10% in the current accounting period. However, with the Provisional Article 33 added to the Tax Procedure Law with the Law No. 7352, the financial statements should be prepared regardless of whether the conditions for the inflation adjustment within the scope of the repetitive article 298 are met in the 2021 and 2022 accounting periods and the 2023 accounting period temporary tax periods, including the temporary tax periods. Accordingly, the financial statements for the 2021 will not be subject to inflation adjustment in accordance with the TPL, and the financial statements dated 31 December 2023 will be subject to inflation adjustment regardless of whether the inflation adjustment conditions have been met, and the profit/loss difference arising from the inflation adjustment will be shown in the retained earnings and will not be subjected tax calculation.

The Law numbered 7061 on Amendment of Certain Taxes and Laws and Other Acts was published on the Official Gazette dated 5 December 2017 and numbered 30261. Article 5 entitled "Exceptions" of the Corporate Tax Law has been amended in Article 89 of the Law. In accordance with (a) clause in the first paragraph of the Article, the exemption of 75% applied to gains from the sales of lands and buildings held by the entities for two full years has been reduced to rate of 50%. This regulation has been effective from 5 December 2017.

Turkish tax legislation does not permit a parent company and its subsidiaries to file a consolidated tax return. Therefore, provisions for taxes, as reflected in the accompanying consolidated financial statements, have been calculated on a separate-entity basis.

There is no procedure for a final and definitive agreement on tax assessments. Companies file their tax returns between 1-25 April following the close of the accounting year to which they relate. Tax authorities may, however, examine such returns and the underlying accounting records and may revise assessments within five years.

Income withholding tax

In addition to corporate taxes, companies should also calculate income withholding taxes and funds surcharge on any dividends distributed, except for companies receiving dividends who are resident companies in Turkey and Turkish branches of foreign companies. The rate of income withholding tax was 10% starting from 24 April 2003. This rate was changed to 15% in accordance with Article 15 of the Law No: 5520 commencing 23 July 2006.

Dividends paid to the resident institutions and the institutions working through local offices or representatives in Turkey are not subject to withholding tax. As per the decisions no.2009/14593 and 2009/14594 of the Council of Ministers published in the Official Gazette no.27130 dated 3 February 2009, certain duty rates included in the articles no.15 and 30 of the new Corporate Tax Law no.5520 are revised. Accordingly, the withholding tax rate on the dividend payments other than the ones paid to the non-resident institutions generating income in Turkey through their operations or permanent representatives and the resident institutions is 15%. In applying the withholding tax rates on dividend payments to the non-resident institutions and the individuals, the withholding tax rates covered in the related Double Tax Treaty Agreements are taken into account. Appropriation of the retained earnings to capital is not considered as profit distribution and therefore is not subject to withholding tax.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

25. Taxation (continued)

Transfer pricing

In Turkey, the transfer pricing provisions have been stated under the Article 13 of Corporate Tax Law with the heading of “disguised profit distribution via transfer pricing”. The General Communiqué on disguised profit distribution via Transfer Pricing sets details about implementation.

If a taxpayer enters into transactions regarding sale or purchase of goods and services with related parties, where the prices are not set in accordance with arm’s length principle, then related profits are considered to be distributed in a disguised manner through transfer pricing. Such disguised profit distributions through transfer pricing are not accepted as tax deductible for corporate income tax purposes.

Tax applications for foreign branches and foreign operations

The principal tax rates (%) of the tax authorities in each country as of 31 December 2021 and 31 December 2020 are as follows:

	31 December 2021	31 December 2020
TRNC	10%	10%
Bahrain	-	-
Serbia	15%	15%
Republic of Macedonia	10%	10%

As of 31 December 2021, and 31 December 2020 advance income taxes are netted off with the current income tax liability as stated below:

	31 December 2021	31 December 2020
Income tax liability	(85.063)	477.196
Income tax paid in advance	8.585	(815.221)
Income tax (assets)/liabilities	(76.478)	(338.025)

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

25. Taxation (continued)

Deferred taxes

Taxes on income for the year also comprise deferred taxes. Deferred income tax is provided, using the liability method, on all taxable temporary differences arising between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax liability and asset are recognised when it is probable that the future economic benefits resulting from the reversal of temporary differences will flow to or from the Bank. Deferred tax asset is recognised to the extent that it is probable that future taxable profit will be available against which the deferred tax asset can be utilised. Currently enacted or substantively enacted tax rates are used to determine deferred taxes on income. These differences usually result in the recognition of revenue and expenses in different reporting periods for IFRS and tax purposes.

As the tax rate used in the calculation of deferred tax assets and liabilities; 23% for temporary timing differences expected to occur within 2022, and 20% for temporary timing differences expected to occur after 2022, was used. (31 December 2020: 20%).

Individual consolidated subsidiaries offset deferred tax asset and deferred tax liability if the deferred tax asset and deferred tax liability relate to income taxes levied by the same taxation authority. Subsidiaries that have deferred tax assets position are not netted off against subsidiaries that have deferred tax liabilities position and disclosed separately.

As of 31 December 2021, net deferred tax represents TRY 450.165 net deferred tax asset / (liability) (31 December 2020: TRY 135.917), consisting of deferred tax assets and deferred liabilities amounting to TRY 452.317 and TRY 2.152, respectively. (31 December 2020: TRY 197.987 and TRY 333.904, respectively). Deferred tax assets and liabilities are attributable to the following:

Deferred tax asset / (liability)	31 December 2021	31 December 2020
Valuation differences on financial assets and liabilities	(5.524.767)	(1.322.586)
Provisions and specific provision for impairment on loans and advances	3.483.608	1.686.159
Other	2.491.324	(499.490)
Deferred tax asset / (liability), net	450.165	(135.917)

Movement of net deferred tax can be presented as follows:

	1 January – 31 December 2021	1 January – 31 December 2020
Deferred tax, net at 1 January	(135.917)	(266.259)
Deferred income tax recognised in other comprehensive income	371.482	123.037
Deferred tax recognised in the profit or loss	213.460	7.305
Other adjustments	1.140	-
Deferred tax, net	450.165	(135.917)

An analysis of the Group’s income tax expense for the year ended 31 December 2021 and 31 December 2020 are as follows:

	31 December 2021	31 December 2020
<u>Current tax charge</u>		
Current period	(187.703)	(602.782)
<u>Deferred tax charge / (benefit)</u>		
Origination and reversal of temporary differences	213.460	7.305
Total income tax charge	25.757	(595.477)

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

26. Other liabilities and provisions

	31 December 2021	31 December 2020
Other liabilities		
Cooperative deposit blockages	4.640.337	4.034.600
Credit card members restricted account	5.730.421	3.840.171
Unearned revenue	1.584.423	1.950.734
Cheques clearance account	3.973.055	2.312.992
Taxes and dues payable	870.533	773.915
Banking transactions	807.154	472.620
Payment orders	180.600	125.228
Resource utilization support fund	56.232	49.125
Import transfer orders	162	29
Collaterals received for derivative instruments	38.495	28.982
Other liabilities	2.581.318	1.706.321
Total	20.462.730	15.294.717
Provisions		
Employee termination benefits	1.538.791	941.282
Unused vacation accruals	231.194	180.226
Provision on non-cash loans	974.413	459.651
Provision on lawsuits	84.445	98.928
Provisions for credit card bonuses	17.934	15.337
Other	660.678	444.523
Total	3.507.455	2.139.947

Employee termination benefits

In accordance with existing social legislation, the Bank and its subsidiaries incorporated in Turkey are required to make lump-sum payments to employees whose employment is terminated due to retirement or for reasons other than resignation or misconduct. Such payments are calculated on the basis of 30 days’ pay (limited to a maximum of full TRY 8.284,51 and full TRY 7.117,17 at 31 December 2021 and 31 December 2020 respectively) per year of employment at the rate of pay applicable at the date of retirement or termination. In the financial statements the Group reflected a liability calculated using the Actuarial Method and based upon factors derived using their experience of personnel terminating their services and being eligible to receive retirement pay and discounted by using the current market yield on government bonds at the balance sheet date. The annual ceiling has been increased to full TRY 10.848,59 effective 1 January 2022.

The principal actuarial assumptions used in the calculation of the total liability at the reporting date are as follows:

	31 December 2021	31 December 2020
Discount rate for pension plan liabilities	19,10%	12,80%
Expected rates of salary increase	30,00%	9,70%
Inflation	15,80%	9,50%

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

26. Other liabilities and provisions (continued)

Employee termination benefits (continued)

Movements in the present value of the defined benefit obligation were as follows:

	1 January – 31 December 2021	1 January – 31 December 2020
Defined benefit obligation at 1 January	941.282	739.735
Current service cost	96.220	70.613
Interest cost	118.500	85.813
Actuarial losses/(gains)	416.791	99.629
Disposals	-	(17.449)
Previous year service cost charged for the period	6.311	2.584
Payment/ limitation of benefits/ loss (gain) because of discharge	657	5.839
Benefits paid	(40.970)	(45.482)
Defined benefit obligation at 31 December	1.538.791	941.282

Amounts recognized in profit and loss in respect of defined benefit plan are as follows:

	31 December 2021	31 December 2020
Current service cost	96.220	70.613
Interest cost	118.500	85.813
Previous Charge for the last financial period	6.311	2.584
Payment/ limitation of benefits/ loss (gain) because of discharge	657	5.839
	221.688	164.849

Post-employment benefits (pension)

Based on the results of the actuarial reports prepared as of 31 December 2021, it was determined that there is no technical deficit for Türkiye Halk Bankası AŞ Emekli Sandığı and T.C. Ziraat Bankası ve Türkiye Halk Bankası Çalışanları Emekli Sandığı Vakfı.

The above mentioned actuarial review, which was made in accordance with the principles of the related law, measures the present value of the liability as of 31 December 2021, in other words; it measures the amount to be paid to the Social Security Foundation by the Bank. Actuarial assumptions used in the calculation are given below.

Assumptions	31 December 2021	31 December 2020
Discount Rate	9,8%	9,8%
Mortality Rate	CSO 1980 woman/man	CSO 1980 woman/man

Some of the Bank’s personnel are the members of T. Halk Bankası Çalışanları Emekli Sandığı Vakfı, (“Fund”) which was established by 20th provisional article of Social Security Law numbered 506. As of 31 December 2021, the number of personnel who benefit from the Fund is 38.816 (31 December 2020: 38.069).

Below table shows the present values of premiums and salary payments as of 31 December 2021, by taking into account the health expenses within the Social Security Foundation limits.

Transferable pension and medical benefits:	31 December 2021	31 December 2020
Net present value of total liabilities other than health	(4.839.389)	(3.853.779)
Net present value of long term insurance line premiums	4.989.362	4.204.433
Net present value of total liabilities other than health	149.973	350.654
Net present value of health liabilities	(1.134.467)	(838.882)
Net present value of health premiums	3.117.266	2.626.604
Net present value of health liabilities	1.982.799	1.787.722
Pension fund assets	5.679.944	4.276.670
General administration expenses (1%)	(59.739)	(46.927)
Amount of actuarial and technical (deficit)/surplus	7.752.977	6.368.119

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

26. Other liabilities and provisions (continued)

Post-employment benefits (pension) (continued)

Plan assets are comprised as follows:

Total assets	31 December 2021	31 December 2020
Banks	4.811.099	3.125.060
Marketable securities	504.807	916.070
Property and equipment	179.872	128.147
Other	184.166	107.393
Total	5.679.944	4.276.670

On the other hand, after the transfer, the currently paid health benefits will be revised within the framework of the Social Security Foundation legislation and related regulations.

The sensitivity analysis of defined benefit obligation of excess liabilities and retirement indemnities are as follows:

Change in assumptions (%)

Assumptions	Death benefits	Medical benefits	Total
Discount rate+1	(19,2%)	(20,4%)	(20,4%)
Discount rate -1	26,1%	28,0%	28,0%
Inflation rate +1	26,1%	34,3%	34,3%
Inflation rate -1	(19,4%)	(23,9%)	(23,9%)

Based on the results of the actuarial report prepared as of 31 December 2021, no technical deficit has been reported for Türkiye Halk Bankası AŞ Emekli Sandığı Vakfı and T.C. Ziraat Bankası ve T. Halk Bankası Çalışanları Emekli Sandığı Vakfı.

27. Derivative financial instruments

In the ordinary course of business, the Group enters into various types of transactions that involve derivative financial instruments. A derivative financial instrument is a financial contract between two parties where payments are dependent upon movements in price in one or more underlying financial instruments, reference rates or indices. The table below shows the fair values of derivative financial instruments. The notional amount is the amount of a derivative’s underlying asset, reference rate or index and is the basis upon which changes in the value of derivatives are measured. The notional amounts indicate the volume of transactions outstanding at year-end and are neither indicative of the market risk nor credit risk.

	31 December 2021			31 December 2020		
	Fair value assets	Fair value liabilities	Notional amount in Turkish Lira equivalent	Fair value assets	Fair value liabilities	Notional amount in Turkish Lira equivalent
Currency swap contracts	5.460.505	1.736.807	104.784.513	1.777.065	31.956	38.972.691
Other swap contracts	3.278.324	417.865	43.976.230	552.988	468.298	25.566.030
Other	250.066	315.765	60.923.075	17.229	33.971	14.303.704
Total	8.988.895	2.470.437	209.683.818	2.347.282	534.225	78.842.425

The majority of outstanding transactions in derivative financial instruments were with the banks and other financial institutions.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

28. Debt securities issued and subordinated liabilities

	31 December 2021	31 December 2020
Debt securities issued at amortized cost	8.176.772	14.245.422
Total of debt securities issued	8.176.772	14.245.422

Debt securities issued comprise of the following:

Debt securities issued	31 December 2021		
	Maturity	Interest rate %	Amount
Debt securities of TRY	July 2021 – September 2028	8,00% - 19,02%	8.176.772
Debt securities of USD	-	-	-
			8.176.772
Debt securities issued	31 December 2020		
	Maturity	Interest rate %	Amount
Debt securities of TRY	January 2021 – September 2028	8,00% - 18,14%	6.692.145
Debt securities of USD	February 2021 - July 2021	4,75%	7.553.277
			14.245.422

	31 December 2021	31 December 2020
Subordinated liabilities at amortized cost	21.643.352	14.860.588
Total of subordinated liabilities	21.643.352	14.860.588

Issuance of subordinated liabilities was completed on 20 October 2017 amounting to TRY 1 million with a call option on 20 October 2022 (At the end of the fifth year, the Bank has an early redemption option.) and due 20 October 2027 with a coupon rate Government Debt Security for 5 years+350 basis points.

Issuance of subordinated liabilities was completed on 3 July 2018 amounting to TRY 1,950 million and due 20 June 2028 with a coupon rate of 14,10%

Issuance of subordinated liabilities was completed on 26 September 2018 amounting to TRY 2,980 million and due 13 September 2028 with a rate of 12,79%.

29. Collaterals of borrowed securities and borrowed securities

Collaterals of borrowed securities are recognized in the statement of financial position and are measured in accordance with the accounting policy for the related assets as appropriate. Borrowed securities are recognized as liabilities. Collaterals of borrowed securities and borrowed securities are recognized in the statement of financial position as the related risks and rewards of such securities are retained.

	31 December 2021	31 December 2020
Collaterals of borrowed securities	24.869.108	15.499.625
Total of collaterals of borrowed securities	24.869.108	15.499.625

	31 December 2021	31 December 2020
Borrowed securities	24.869.108	15.499.625
Total of borrowed securities	24.869.108	15.499.625

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

30. Share capital

As at 31 December 2021, the authorized nominal share capital of the Bank has been fully paid-up and amounts to TRY 2.473.776 (31 December 2020: TRY 2.473.776). The Bank’s paid-in capital is dividend into 2.473.776.223 shares, each with a nominal value of full TRY 1. There are no the rights, preferences and restrictions attaching to that class including restrictions on the distribution of dividends and the repayment of capital.

Information on share capital increases and their sources; other information on increased capital shares in the current period:

In accordance with the decision of the Board of Directors of the Parent Bank dated 11 May 2020, the capital will be increased, where the total sales proceeds through the capital increase shall amount to TRY 7.000.000, by the total nominal capital amount to be calculated based on the share sale price to be determined in accordance with the Wholesale Transactions Procedure of Borsa İstanbul A.Ş. with the Decision of the Capital Markets Board dated 14 May 2020. Accordingly, the recognition of the capital increase of TRY 1.223.776 on 20 May 2020 was realized on 21 May 2020, based on the permission obtained from the BRSA. The change made to the relevant Articles of Association was registered on 10 June 2020, and it was announced in the Trade Registry Gazette dated 15 June 2020 and numbered 10097.

After the increase, TRY 1.223.776 of nominal and TRY 5.776.224 of share premium, totalling a capital increase of TRY 7.000.000, have been recognized in the financial statements. Mentioned capital increase was made by the Bank’s main shareholder Türkiye Varlık Fonu.

	31 December 2021	31 December 2020
Paid-in capital	2.473.776	2.473.776
Inflation restatement effect	1.328.184	1.328.184
Shared capital issued	3.801.960	3.801.960

31. Reserves and dividends paid and proposed

Fair value reserve

The fair value reserve includes the cumulative net change in the fair value of debt and other instruments at amortised cost investments, excluding impairment losses, until the investment is derecognised.

Other reserves

Other reserves consist of legal reserves kept within the Group and translation reserves.

The legal reserves consist of first and second legal reserves in accordance with the Turkish Commercial Code. The first legal reserve is appropriated out of the statutory profits at the rate of 5%, until the total reserve reaches a maximum of 20% of the entity’s share capital. The second legal reserve is appropriated at the rate of 10% of all distributions in excess of 5% of the Bank’s share capital. The first and second legal reserves are not available for distribution unless they exceed 50% of the share capital, but may be used to absorb losses in the event that the general reserve is exhausted. The legal reserves as at 31 December 2021 is TRY 2.791.476 (31 December 2020: TRY 2.535.936).

The translation reserve comprises all foreign currency differences arising from the translation of the financial statements of foreign operations. The translation reserve as at 31 December 2021 is TRY (136.454). (31 December 2020: TRY (2.070))

As of 1 April 2015, the Group adopted the revaluation method for buildings in tangible assets in accordance with International Accounting Standard No: 16 “Property, Plant and Equipment” (IAS 16). Expertise values determined by independent appraisal companies are reflected to the financial statements. Revaluation differences are recorded in “Revaluation differences of property and equipment” under the shareholders’ equity. The revaluation differences of property and equipment accounted within the current period is TRY 577.723 (31 December 2020: TRY 424.731).

Dividends paid and proposed

As of the reporting date, the Group did not pay dividend out of 2020 profit in 2021 (31 December 2020: zero).

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

32. Earnings per share

Basic earnings per share (EPS) are calculated by dividing the net profit for the period attributable to ordinary shareholders by the weighted average number of ordinary shares outstanding during the period.

There is no dilution of shares as of 31 December 2021 and 31 December 2020

The following reflects the comprehensive income and share data used in the basic earnings per share computations:

	31 December 2021	31 December 2020
Net profit attributable to ordinary shareholders for basic earnings per share	2.498.294	3.065.325
Weighted average number of ordinary shares for basic earnings per share	2.473.776	1.998.978
Basic earnings per share (for full TRY per share)	1,0099	1,5334

There have been no other transactions involving ordinary shares or potential ordinary shares since the reporting date and before the completion of these financial statements.

33. Related parties

A party is related to an entity if: the party controls, is controlled by, or is under common control with the entity (this includes parents, subsidiaries and fellow subsidiaries); has an interest in the entity that gives it significant influence over the entity or has joint control over the entity. For the purpose of these consolidated financial statements, unconsolidated subsidiaries, associates, shareholders are referred to as related parties. Related parties also include individuals that are principal owners, management and members of the Group’s Board of Directors and their families and also post-employment benefit plan for the benefit of employees of the entity, or of any entity that is a related party of the entity.

The immediate parent and ultimate controlling party respectively of the Group is Turkish Prime Ministry Privatization Administration (incorporated in Turkey). Transactions between the Bank and its subsidiaries, which are related parties of the Bank, have been eliminated on consolidation and are not disclosed in this note.

Transactions with key management personnel

Key management personnel comprise of the Group’s directors and key management executive officers.

As of 31 December 2021, and 31 December 2020, the Group’s directors and executive officers have no outstanding personnel loans from the Bank.

In addition to their salaries, the Group also provides non-cash benefits to directors.

Total compensation provided to key management personnel is:

	31 December 2021	31 December 2020
Salaries and short-term benefits	38.609	30.256

The Bank has agreements or protocols with several of its shareholders, consolidated subsidiaries and affiliates of the shareholders. The Bank’s management believes that all such agreements or protocols are on terms that are at least as advantageous to the Bank as would be available in transactions with third parties and the transactions are consummated at their fair values. None of these balances is secured.

Other related party transactions

Current period	Cash loans receivable	Non-cash loans receivable	Deposits	Interest income	Interest expense	Commission Income
	-	2.133	138.328	35	33.465	-
Prior period	Cash loans receivable	Non-cash loans receivable	Deposits	Interest income	Interest expense	Commission Income
	-	1.205	29.369	-	2.871	1

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

34. Other operating income

	1 January – 31 December 2021	1 January – 31 December 2020
Reversal from prior years' provision	113.933	231.280
Gain on sale of property and equipment	404.285	316.265
Rent income	74.938	62.037
Other	224.669	287.739
Total	817.825	897.321

35. Other operating expenses

	1 January – 31 December 2021	1 January – 31 December 2020
Staff costs:		
<i>Personnel expenses</i>	4.629.937	3.804.543
<i>Retirement pay provision</i>	181.627	119.367
Administrative expenses	3.082.072	2.110.557
Saving deposit insurance fund contributions	611.948	488.349
Depreciation and amortization charges	688.384	662.127
Taxes, duties, charges and premium expenses	523.436	295.795
Provision expenses for lawsuits	14.533	5.532
Other	782.550	1.058.625
Total	10.514.487	8.544.895

36. Fee and commission income and expenses

	1 January – 31 December 2021	1 January – 31 December 2020
Fee and commission income		
Banking	5.978.540	3.656.699
Brokerage	275.649	265.479
Total	6.254.189	3.922.178
Fee and commission expenses		
Banking	(1.715.969)	(1.022.038)
Brokerage	(14.099)	(10.191)
Total	(1.730.068)	(1.032.229)

37. Additional cash flow information

	31 December 2021	31 December 2020
Cash on hand	7.413.121	5.062.920
Due from banks (with original maturity of less than 3 months)	4.389.309	2.648.431
Money market placements	1.001	252.997
Blocked balances with banks	-	-
Unrestricted balances with Central Bank	51.712.996	34.739.232
Other liquid assets	27	88
Cash and cash equivalents in the statement of cash flows	63.516.454	42.703.668

The reserve deposits with Central Bank are not available to finance the Bank's day-to-day operations and therefore are not part of cash and cash equivalents.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

38. Commitments and contingencies

In the normal course of business activities, the Group undertakes various commitments and incurs certain contingent liabilities that are not presented in the financial statements including:

	31 December 2021	31 December 2020
Letters of guarantee issued	166.919.408	102.536.411
Letters of credit	7.133.429	2.609.382
Acceptance credits	11.581.244	6.495.595
Other	9.671.584	4.862.463
Total non-cash loans	195.305.665	116.503.851
Credit card limit commitments	17.465.120	28.032.142
Forward asset purchase and sale commitments	9.044.334	1.826.745
Other commitments	29.147.089	14.661.741
Total	250.962.208	161.024.479

Fiduciary activities

The Bank performs buying transactions on behalf of customers, and gives custody, administration and consultancy services.

The Group does not engage in fiduciary transactions.

Litigation

In the normal course of its operations, the Group can constantly be faced with legal disputes, claims and complaints, which in most cases stem from normal insurance operations. The necessary provision, if any, for those cases are provided based on management estimates and professional advice.

39. Other matters

On October 15, 2019, the U.S. Department of Justice, United States Attorney Southern District of New York indicted the Bank by repeating the allegations set forth in the case filed against the former executive of the Bank due to the Iranian sanction violations.

First, the Bank applied to the District Court on November 4, 2019 and requested a special appearance to discuss the issues of personal jurisdiction and recusal. On December 5, 2019, the District Court denied the request of special appearance. The Bank objected to the District Court's decision and appealed the decision at the Second Circuit on December 17, 2019. On February 21, 2020, the Second Circuit denied Bank's objection.

In the meeting held by the Bank's Board of Directors on March 27, 2020, it was decided to attend the District Court hearing at which the case starts to be heard on the merits on March 31, 2020, to accept the arraignment and to appoint Williams & Connolly law firm with a proxy to represent the Bank.

At the hearing on March 31, 2020, the District Court decided to postpone the hearing initially to June 9, 2020 and subsequently to June 30, 2020 due to the global scale COVID-19 outbreak.

At the hearing held in the District Court on June 30, 2020; the schedule was determined regarding the motion to recuse, discovery motions, and filings of other motions. It was decided that the jury trials would begin on March 1, 2021 for which the schedule was revised on October 26, 2020. Accordingly, the jury trials are scheduled to be held on May 3, 2021. In this regard, the Bank filed its recusal motion on July 14, 2020 and its other motions to dismiss the indictment on August 10, 2020 at the District Court.

Bank's recusal motion was denied by the District Court on August 24, 2020 and the Second Circuit on December 23, 2020.

District Court denied Bank's motion to dismiss the indictment on October 1, 2020. The Bank appealed the Second Circuit through the motion to dismiss the indictment based on the Foreign Sovereign Immunity Act (exemption from the jurisdiction of the US courts). On December 23, 2020, the Second Circuit accepted to hear the appeal on the merits and granted Bank's motion to stay the case pending sovereign immunity appeal. Before the Second Circuit, the oral argument was presented on April 12, 2021. The Second Circuit denied the Bank's appeal on October 22, 2021.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

39. Other matters (continued)

The Bank filed its petition with the Second Circuit for an en banc rehearing. Second Circuit denied Bank’s petition on December 15, 2021. As the Bank would file its petition for a writ of certiorari with the US Supreme Court in regard to the Foreign Sovereign Immunity Act decision, it requested the Second Circuit to stay the mandate so that the stay on the proceedings in the District Court continues. The petition was granted by the Second Circuit on January 14, 2022. The proceedings in the district court are stayed till the process is completed in the US Supreme Court. The Bank filed its petition for a writ of certiorari with the US Supreme Court on May 13, 2022. The Solicitor General under the U.S. Department of Justice filed their brief in opposition on Halkbank’s writ of certiorari on July 18, 2022. The Bank has filed its reply brief on August 2, 2022. Should the US Supreme Court grant the writ of certiorari on the FSIA, and the Bank prevails on the merits of the case as well, the case will be dismissed before the trial process. In case the writ of certiorari is denied by the US Supreme Court, the case will be returned to the District Court and the District Court will need to create a new schedule for the trials.

In addition, a civil case was filed against the Bank on March 27, 2020 with a claim for damages by plaintiffs in the Southern District of New York Court "on the grounds that they (the plaintiffs) could not collect their judgments from Iran due to violations of sanctions" and it was served to the Bank's attorneys on July 1, 2020. The Bank filed a motion at the District Court to dismiss the complaint of plaintiffs on September 25, 2020. The case was fully briefed on December 16, 2020. District Court conditionally granted Bank’s motion to dismiss, filed on December 16, 2020, on the grounds of forum non conveniens. The case was closed at the District Court on March 3, 2021.

The Plaintiffs filed their appeal brief at the Second Circuit as to the District Court’s Decision on June 30, 2021. The case is fully briefed. The appeal is still ongoing at the Second Circuit.

The proceedings of both the criminal case and civil case are closely monitored by the Bank through the U.S. law firms having expertise in their areas and representing the bank.

40. Subsequent events

In accordance with the decision of the Board of Directors of the Bank dated 9 February 2022, the capital is increased, where the total sales proceeds through the capital increase shall amount to TRY 13.400.000, by the total nominal capital amount to be calculated based on the share sale price to be determined in accordance with the Wholesale Transactions Procedure of Borsa İstanbul AŞ with the Decision of the Capital Markets Board dated 17 February 2022. Accordingly, the recognition of the capital increase of TRY 2.495.345 on 9 March 2022 was realized on 14 March 2022, based on the permission obtained from the BRSA. The change made to the relevant Articles of Association was registered on 22 March 2022, and it was announced in the Trade Registry Gazette dated 23 March 2022 and numbered 10543. After the increase, TRY 2.495.345 of nominal and TRY 10.904.655 of share premium, amounting to a capital increase of TRY 13.400.000, were recognized in the financial statements. Mentioned capital increase was made by the Bank's main shareholder Türkiye Varlık Fonu.

As per the Law No. 7394 on the “Law on Evaluation of Immovable Property Owned by the Treasury and Amendment to the Value Added Tax Law” and as per amended first sentence to the temporary Article 13 of the Law No. 5520 on the “Corporate Tax Law” published in the Official Gazette No. 31810 dated 15 April 2022, the corporate tax rate will be applied as 25% for the corporate earnings. The amendment will be applied to tax returns which will be submitted on or after 1 July 2022 for to corporate earnings for the taxation period starting from 1 January 2022.

On 26 April 2022, the Parent Bank has purchased 13,33% shares of its associate, Platform Ortak Kartlı Sistemler AŞ, for TRY 700 and firstly increased its shares to 33,33%, and on 22 June 2022 purchased %66,67 shares of Platform Ortak Kartlı Sistemler AŞ for TRY 3.845 and increased its share to %100 and transferred to the subsidiaries.

As the Parent Bank will file its petition for a writ of certiorari with the US Supreme Court in regard to the Foreign Sovereign Immunity Act decision, it requested the US Court of Appeals for the Second Circuit to stay the mandate so that the stay on the proceedings in the District Court continues. The petition was granted by the Second Circuit on 14 January 2022. The proceedings in the district court are stayed till the process is completed in the US Supreme Court. The Bank filed its petition for a writ of certiorari with the US Supreme Court on May 13, 2022. The Solicitor General under the U.S. Department of Justice filed their brief in opposition on Halkbank’s writ of certiorari on July 18, 2022. The Bank has filed its reply brief on August 2, 2022. Should the US Supreme Court grant the writ of certiorari on the FSIA, and the Bank prevails on the merits of the case as well, the case will be dismissed before the trial process. In case the writ of certiorari is denied by the US Supreme Court, the case will be returned to the District Court and the District Court will need to create a new schedule for the trials.

TÜRKİYE HALK BANKASI ANONİM ŞİRKETİ AND ITS SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

(Currency – In thousands of Turkish lira (“TRY”) unless otherwise stated)

40. Subsequent events (continued)

The international rating agency Fitch Ratings has revised Türkiye's Long-Term Foreign-Currency Issuer Default Rating to "B" from "B+" on July 8, 2022. Accordingly, Fitch Ratings also revised the Bank's Long-Term Local Currency Issuer Default Rating to "B" from "B+" on July 26, 2022. The outlook of the relevant rating remain unchanged.