35. Assets and liabilities for deferred income tax

Assets and liabilities for deferred income tax are calculated for all temporary differences in accordance with the balance sheet method, using an income tax rate, which will be in force in the year when the tax obligation arises (2017 and 2016: 19%).

Assets and liabilities for deferred income tax are not recognised as short term assets and liabilities.

Changes in assets and liabilities for deferred income tax are presented below.

Deferred income tax assets	As at 01.01.2017	Recognised in the income statement	Recognised in other comprehensive income	Other changes	As at 31.12.2017
Interest accured	109 476	5 177	-	-	114 653
Valuation of derivative financial instruments	2 028	611	-	-	2 639
Valuation of investment securities	44 920	2 341	(14 979)	-	32 282
Provisions for impairment of loans and advances	274 812	4 819	-	-	279 631
Provisions for employee benefits	36 080	2 421	720	-	39 221
Other provisions	33 239	(75)	-	-	33 164
Prepayments/accruals	26 670	6 120	-	-	32 790
Tax losses carried forward	197	(119)	-	-	78
Differences between carrying and tax value of lease	260 437	89 687	-	-	350 124
Other negative temporary differences	71 750	3 040	(5)	1 311	76 096
Total deferred income tax assets	859 609	114 022	(14 264)	1 311	960 678
Deferred income tax liabilities	As at 01.01.2017	Recognised in the income statement	Recognised in other comprehensive income	Other changes	As at 31.12.2017
Interest accured	(80 692)	2 742	-	-	(77 950)
Valuation of derivative financial instruments	(42 726)	15 745	857	-	(26 124)
Valuation of investment securities	(66 610)	(21 861)	(27 721)	-	(116 192)
Interest and fees received in advance	(20 896)	19 358	-	-	(1 538)
Difference between tax and book value of tangible and intangible assets	(48 360)	2 611	-	-	(45 749)
Prepayments regarding amortization of applied investment relief	(18 657)	-	-	-	(18 657)
Other positive temporary differences	(42 120)	(2 945)	2	(236)	(45 299)
Total deferred income tax liabilities	(320 061)	15 650	(26 862)	(236)	(331 509)
Deferred income tax assets	As at 01.01.2016	Recognised in the income statement	Recognised in other comprehensive income	Other changes	As at 31.12.2016
Deferred income tax assets Interest accured	As at 01.01.2016 102 469	the income	other comprehensive	Other changes	As at 31.12.2016 109 476
		the income statement	other comprehensive	Other changes	
Interest accured	102 469	the income statement 7 007	other comprehensive	Other changes	109 476
Interest accured Valuation of derivative financial instruments	102 469 841	the income statement 7 007 1 187	other comprehensive income	Other changes	109 476 2 028
Interest accured Valuation of derivative financial instruments Valuation of investment securities	102 469 841 43 856	the income statement 7 007 1 187 (15 121)	other comprehensive income	Other changes	109 476 2 028 44 920
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances	102 469 841 43 856 228 699	7 007 1 187 (15 121) 46 113	other comprehensive income	Other changes	109 476 2 028 44 920 274 812
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits	102 469 841 43 856 228 699 35 258	7 007 1 187 (15 121) 46 113 887	other comprehensive income	Other changes	109 476 2 028 44 920 274 812 36 080
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions	102 469 841 43 856 228 699 35 258 43 463	7 007 1 187 (15 121) 46 113 887 (10 224)	other comprehensive income	Other changes	109 476 2 028 44 920 274 812 36 080 33 239
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals	102 469 841 43 856 228 699 35 258 43 463 26 823	7 007 1 187 (15 121) 46 113 887 (10 224) (153)	other comprehensive income	Other changes	109 476 2 028 44 920 274 812 36 080 33 239 26 670
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward	102 469 841 43 856 228 699 35 258 43 463 26 823 263	7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66)	other comprehensive income	Other changes	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207	1 187 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230	other comprehensive income	- - - - - - - -	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207 93 373	1 187 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652)	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207 93 373 778 252	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207 93 373 778 252	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities Interest accured	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207 93 373 778 252 As at 01.01.2016	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement (3 834)	other comprehensive income 16 185 (65)	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609 As at 31.12.2016
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities Interest accured Valuation of derivative financial instruments	102 469 841 43 856 228 699 35 258 43 463 26 823 263 203 207 93 373 778 252 As at 01.01.2016 (76 858) (42 259)	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement (3 834) (1 031)	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609 As at 31.12.2016 (80 692) (42 726)
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities Interest accured Valuation of derivative financial instruments Valuation of investment securities	102 469 841 43 856 228 699 35 258 43 463 26 823 203 207 93 373 778 252 As at 01.01.2016 (76 858) (42 259) (152 689)	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement (3 834) (1 031) (1 750)	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609 As at 31.12.2016 (80 692) (42 726) (66 610)
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities Interest accured Valuation of derivative financial instruments Valuation of investment securities Interest and fees received in advance	102 469 841 43 856 228 699 35 258 43 463 26 823 203 207 93 373 778 252 As at 01.01.2016 (76 858) (42 259) (152 689) (38 812)	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement (3 834) (1 031) (1 750) 17 916	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609 As at 31.12.2016 (80 692) (42 726) (66 610) (20 896)
Interest accured Valuation of derivative financial instruments Valuation of investment securities Provisions for impairment of loans and advances Provisions for employee benefits Other provisions Prepayments/accruals Tax losses carried forward Differences between carrying and tax value of lease Other negative temporary differences Total deferred income tax assets Deferred income tax liabilities Interest accured Valuation of derivative financial instruments Valuation of investment securities Interest and fees received in advance Difference between tax and book value of tangible and intangible assets	102 469 841 43 856 228 699 35 258 43 463 26 823 203 207 93 373 778 252 As at 01.01.2016 (76 858) (42 259) (152 689) (38 812) (50 089)	the income statement 7 007 1 187 (15 121) 46 113 887 (10 224) (153) (66) 57 230 (21 652) 65 208 Recognised in the income statement (3 834) (1 031) (1 750) 17 916	other comprehensive income	- - - - - - - 29	109 476 2 028 44 920 274 812 36 080 33 239 26 670 197 260 437 71 750 859 609 As at 31.12.2016 (80 692) (42 726) (66 610) (20 896) (48 360)

Deferred income tax included in the income statement	31.12.2017	31.12.2016
Interest accured	7 919	3 173
Valuation of derivative financial instruments	16 356	156
Valuation of securities	(19 520)	(16 871)
Provisions for impairment of loans and advances	4 819	46 113
Provisions for employee benefits	2 421	887
Other provisions	(75)	(10 224)
Prepayments/accruals	6 120	(153)
Interest and fees received in advance	19 358	17 916
Difference between tax and book value of tangible and intangible assets	2 611	1 729
Differences between carrying and tax value of lease	89 687	57 230
Tax losses carried forward	(119)	(66)
Other temporary differences	95	(29 995)
Total deferred income tax included in the income statement (Note 14)	129 672	69 895

Deferred tax assets are recognised, because it is probable that future taxable profit will occur.

A level of deferred tax asset for the year 2017 and 2016 does not include tax losses of the foreign branch in Slovakia. Potential including of the tax losses into deferred tax asset in years to come will depend upon an assessment of the corporate income tax base level in a future (including the periods scheduled for settlement of tax losses). Right to tax losses' settlement expires between 2018 and 2021 year.

Due to the improbability of occurrence of taxable income enabling to use tax losses incurred in Garbary Sp. z o.o. and BDH Development Sp. z o.o., the Group does not include those losses in the deferred tax asset calculation. The total amount of unused tax losses not included in the calculation of deferred tax assets amounted to PLN 28 022 thousand at the end of 31 December 2017 and PLN 53 755 thousand at the end of 31 December 2016. Right to tax losses' settlement expires between 2017 and 2021 year.

The Group recognizes deferred tax liabilities or assets related to temporary differences arising from investments in subsidiaries and associates except that the implementation of the temporary differences is controlled by the Group and it is probable that in the foreseeable future, these differences will not be reversed. At the end of 2017 the Group did not include settlements on temporary differences in the total amount of PLN 1 198 253 thousand incurred due to investments in subsidiaries and affiliated companies in deferred tax calculation and PLN 908 414 thousand at the end of 2016.