



The Pakistan Credit Rating Agency Limited

Rating Report

The Bank of Punjab | Tier 2 Capital TFC | PKR 7.5695bln | Jun-24

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Rating History

Dissemination Date	Long Term Rating	Short Term Rating	Outlook	Action	Rating Watch
29-Jun-2024	AA	-	Stable	Initial	-
29-Dec-2023	AA	-	Stable	Preliminary	-
19-Jul-2023	AA	-	Stable	Preliminary	-

Rating Rationale and Key Rating Drivers

The Bank of Punjab (BOP) has built a franchise around its name, which itself is a testimony of strong parentage. The parentage of the bank has provided associated benefits to the institution. It functions as a solid backing in times of need and furnishing entry into profitable segments, where other institutions are reluctant to enter. At end-Dec23, the deposit base of the Bank increased by 24% to stand at PKR 1,521bln where deposits remained tilted towards saving. The Banks' net advances have grown by 37% YoY to stand at PKR 806bln. Consequently, ADR was increased to 53% owing to increased lending to the public sector. During CY23, the Profit Before Tax of the Bank increased by 15% to stand at PKR 21.2bln attributable to enhanced non-markup income clocking in at PKR 17.7bln with major contribution from gain on investments and recoveries. The investment book of the bank inclined to PKR 913bln mainly comprises government securities. A major proportion of the investment book is now repriced, which would provide advantage to profits, going forward. At end-Dec23, the CAR of the bank strengthened to 18.4% owing to the successive issuance of ADT-I and Tier-II bonds along with capital retention.

The management, led by sound leadership, is poised to strengthen the profile of the bank and is taking active measures to overcome the challenges. In this regard, the management is working on diversification in the revenue stream with a focus on tapping on SMEs, retail segments, and trade business of the country. Moreover, the bank is planning to build global presence with the establishment of offshore entities.

Disclosure

Name of Rated Entity	The Bank of Punjab Tier 2 Capital TFC PKR 7.5695bln Jun-24
Type of Relationship	Solicited
Purpose of the Rating	Debt Instrument Rating
Applicable Criteria	Methodology Debt Instrument Rating(Dec-23),Methodology Rating Modifiers(Apr-24)
Related Research	Sector Study Commercial Banks(Jun-24)
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Issuer Profile

Profile The Bank of Punjab (BoP) was established under the BoP Act 1989 (the Act), as a non-scheduled bank and was subsequently converted into a scheduled bank in 1994. With its Head Office in Lahore, the Bank operates a network of 815 branches at end-Dec23 (end-Dec22: 780 branches) and employs 13,659 employees at end-Dec23 (end-Dec22: 13,047). The bank's principal activities are to provide commercial and Islamic banking services to individuals and institutional clients. BoP entered Islamic Banking Operations in 2013, under the brand name "Taqwa Islamic Banking". At end-Dec23 there are 160 (end-Dec22: 140) fully functional Islamic Banking Branches.

Ownership The Government of Punjab (GoPb) holds a controlling stake of 57.5% in the Bank of Punjab. The rest of the shareholding is by individuals at 29.6% and institutions at 12.9%. The ownership structure of the bank is seen as stable as no ownership changes are expected in the future. The majority stake will rest with The Government of Punjab. Sponsor's business acumen is considered good as BoP has been achieving milestones by successfully making the right business decisions. Over the last few years, it has sustained being a profitable institution. BoP, being one of the flagship entities under the umbrella of the Government of Punjab, willingness to support the Bank in case the need arises is considered high; also supplemented by access to the capital markets.

Governance The control of the bank vests with a seven-member Board of Directors comprising three non-executive directors, three independent directors, and one executive director. Three members are representing the Government of Punjab. Mr Zafar Masud – President of BoP is an executive director. Members of BoD are also distinguished professionals including seasoned bankers and civil servants. However, owing to the institutional framework of BoP, the key shareholder can exert influence over the BoD which may potentially compromise its independence. The BoD exercises close monitoring of the management's policies and the bank's operations via five sub-committees. Meetings for all these five committees are held quarterly. The Board members' attendance and participation are considered good and effective. The Audit Committee comprises four members; Mr. Muhammad Mudassir Amray is the chairman. The external auditors – A.F Ferguson & Co. Chartered Accountants, have expressed an unqualified opinion on the financial statements of the bank for CY23.

Management The bank has a lean organizational structure with experienced senior management heading each function and/or unit and relevant segregation of duties in place. Mr. Zafar Masud is the President and CEO of the Bank. He has been associated with reputed international and domestic banks during his career. The senior management consists of seasoned bankers having diversified experience. The bank has various committees in place at the management level to oversee its day-to-day operational matters and make decisions to implement the strategy outlined for it by the board. The committee, responsible for overseeing the operational matters of the bank, including human resources, different lines of business, compliance, and administration, meets fortnightly to review these areas. A comprehensive IT security policy has been put in place along with risk mitigation protocols. The bank has successfully implemented an internationally renowned Oracle-based core banking system 'Flexcube' and all branches have been migrated to the new CBS. The Risk Management Division (RMD), headed by Chief Risk Officer (CRO) – Mr. Arsalan Muhammad Iqbal manages different facets of risk including credit, market, operational, liquidity, reputation, and country risk. Heads of Credit Risk Units – Corporate, Commercial, Consumer, Special Assets Management (SAM), and Agri – report to the head of credit risk, while heads of Operational, Market, and Risk Policy report directly to the CRO.

Business Risk CY23 remained a challenging year for the economy inclusive of a drop in exchange reserves, currency devaluation, and peak inflation. To combat inflation and curb aggregate demand, the Central Bank maintained a tight monetary policy stance. Despite these challenges, CY23 was a remarkably successful year for the banking industry. The sector outperformed historical statistics, with two-thirds of net markup income coming from investments in government securities and the remainder from advances. During the year, Pakistan's banking sector's total assets posted growth of ~30% YoY whilst investments surged by ~42% to PKR ~25.6trln (end-Dec22: PKR ~18trln). Gross Advances of the sector recorded growth of ~4% to stand at PKR ~13.101trln (end-Dec22: PKR ~12.645trln). Non-performing loans witnessed an increase of 8.3% YoY to PKR ~881bln (end-Dec22: ~812bln). The CAR averaged at 18.5% (end-Dec22: 15.5%). Looking ahead, with the expected monetary rate cut, banks are likely to sustain some dilution in profitability by CY24. BOP, a medium-sized bank, secures a good position of 5.4% in the industry as of end-Dec23 (end-Dec22: 5.4%) market share in terms of deposits. The deposit base of the bank stands at PKR 1,521bln as of end-Dec23 (end-Dec22: PKR 1,227bln). During CY23, BOP's NIMR witnessed an incline of 33% on a YoY basis to stand at PKR 40.946bln (CY22: PKR 30.758bln) primarily attributable to increased markup earnings amounting to PKR 327.194bln (CY22: PKR 137.168bln). Whereas, the markup expenses increased to stand at PKR 286.248bln (CY22: PKR 106.410bln). The bank's asset yield is inclined to stand at 20.7% (CY22: 11.7%). The cost of funds increased to 17.2% (CY22: 8.8%). Consequently, Spread inclined to 3.5% (CY22: 2.9%). During CY23, the non-markup income inclined by 68% YoY to stand at PKR 17.718bln (CY22: PKR 10.576bln), attributable to higher gain on securities clocking in at PKR 5.25bln (CY22: PKR 343mln) and increased other income clocking in at PKR 4.16bln (CY22: PKR 306mln). The non-markup expenses also grew by 35% to stand at PKR 37.498bln (CY22: PKR 27.705bln). The total provisioning reversals of the bank were recorded at PKR 53mln (CY22: PKR 4.878bln). The net profitability inclined by 5% to stand at PKR 11.339bln (CY22: PKR 10.834bln). The management envisages growth in the deposit base while bringing granularity to the customer base through further private-sector deposits which will optimize the cost of funding. Growth in advances is also the focus of the management, wherein the criteria are higher margins and a sustainable risk profile. Implementation of modern technological tools would help in improving the control regime and bringing efficiency to the operation.

Financial Risk At end-Dec23, BOP's net advances have grown by 37% YoY to stand at PKR 806.387bln (end-Dec22: PKR 589.581bln). ADR was reported at 53% (end-Dec22: 48%). NPLs have decreased to stand at PKR 50.880bln (end-Dec22: 51.561bln). Therefore, the infection ratio improved to 6% (end-Dec22: 8.1%) which reflects positively on asset quality. At end-Dec23, the investment portfolio of the bank has increased by 44% to stand at PKR 900.27bln, excluding debt instruments (end-Dec22: PKR 626.81bln). Government securities constitute 99.1% of total investments (end-Dec22: 98.3%). At end-Dec23, total deposits increased by 24% to stand at PKR 1,521bln (end-Dec22: PKR 1,227bln). CA and SA proportion rationalized to 19.3% (end-Dec22: 19.6%) and 45.1% (end-Dec22: 47.1%) respectively. The bank's liquidity, in terms of Liquid Assets-to-Deposits and borrowing ratio, declined to 38.8% (end-Dec22: 53.1%). At end-Dec23, the bank reported CAR of 18.37% (end-Dec22: 13.11%), comprising of Tier I CAR (15.42%), remaining compliant with the minimum requirement by SBP.

Instrument Rating Considerations

About The Instrument The Bank of Punjab has issued an unsecured, subsequently listed, subordinated and rated tier 2 capital term finance certificates of the amount of PKR 7.5695bln to contribute towards BOP's Tier II Capital. The funds raised are planned to be utilized in the Bank's business operations as permitted. The instrument is tenured up to 10 years of issue date. The profit rate is 6M-KIBOR plus 125bps p.a. and payable semiannually in arrears on the outstanding principal. The instrument also bears a call option exercisable after 5 years of disbursement date and is structured to redeem 0.36% of the issue amount during the first 9 years after the issue date and remaining 99.64% in two equal semi-annual installments in the last year.

Relative Seniority/Subordination Of Instrument The Instrument is unsecured and subordinated as to payment of principal and profit to all other indebtedness of the Bank but will rank pari passu to other tier II instruments and superior to additional Tier I instruments. In addition to the Lock In Clause, the Instrument will be subject to Loss absorption upon the occurrence of a Point of non-viability event ("PONV"). Upon reaching the pre-defined trigger point or point of non-viability (PONV), the TFC may be partially or fully converted into equity/written off as per the discretion/instructions of SBP. Number of shares to be issued to TFC holders at the time of conversion will be equal to the 'Outstanding Value of the TFCs divided by Market value per share of the Bank's common share on the date of trigger event as declared by SBP, subject to a cap of 2,244,788,883 ordinary shares.

Credit Enhancement The Instrument is unsecured and subordinated.



PKR mln

**The Bank of Punjab
Listed Public Limited**

Dec-23	Dec-22	Dec-21	Dec-20
12M	12M	12M	12M

A BALANCE SHEET

1 Total Finances - net	814,124	597,697	499,255	402,885
2 Investments	900,278	625,817	517,084	552,948
3 Other Earning Assets	155,983	76,065	40,207	18,807
4 Non-Earning Assets	340,619	177,985	140,656	117,690
5 Non-Performing Finances-net	5,176	4,326	(251)	3,116
Total Assets	2,216,180	1,481,890	1,196,952	1,095,446
6 Deposits	1,520,854	1,227,339	1,002,955	835,068
7 Borrowings	484,171	98,024	79,112	161,633
8 Other Liabilities (Non-Interest Bearing)	130,401	91,475	60,052	46,484
Total Liabilities	2,135,425	1,416,838	1,142,119	1,043,185
Equity	80,755	65,052	54,833	52,262

B INCOME STATEMENT

1 Mark Up Earned	327,194	137,168	81,651	86,019
2 Mark Up Expensed	(286,248)	(106,410)	(51,775)	(62,694)
3 Non Mark Up Income	17,718	10,576	7,904	13,046
Total Income	58,663	41,335	37,780	36,371
4 Non-Mark Up Expenses	(37,498)	(27,705)	(21,014)	(17,519)
5 Provisions/Write offs/Reversals	53	4,878	1,642	(6,862)
Pre-Tax Profit	21,218	18,508	18,408	11,989
6 Taxes	(9,879)	(7,673)	(5,968)	(5,046)
Profit After Tax	11,339	10,834	12,440	6,944

C RATIO ANALYSIS

1 Performance

Net Mark Up Income / Avg. Assets	2.2%	2.3%	2.6%	2.4%
Non-Mark Up Expenses / Total Income	63.9%	67.0%	55.6%	48.2%
ROE	15.6%	18.1%	23.2%	14.0%

2 Capital Adequacy

Equity / Total Assets (D+E+F)	3.6%	4.4%	4.6%	4.8%
Capital Adequacy Ratio	18.4%	13.1%	12.3%	16.2%

3 Funding & Liquidity

Liquid Assets / (Deposits + Borrowings Net of Repo)	38.8%	53.1%	55.2%	61.2%
(Advances + Net Non-Performing Advances) / Deposits	53.0%	48.0%	48.3%	46.8%
CA Deposits / Deposits	19.3%	19.6%	19.4%	20.3%
SA Deposits / Deposits	45.1%	47.1%	46.5%	47.3%

4 Credit Risk

Non-Performing Advances / Gross Advances	6.0%	8.1%	9.7%	12.9%
Non-Performing Finances-net / Equity	6.4%	6.6%	-0.5%	6.0%

Credit Rating

Credit rating reflects forward-looking opinion on credit worthiness of underlying entity or instrument; more specifically it covers relative ability to honor financial obligations. The primary factor being captured on the rating scale is relative likelihood of default.

Scale	Long-term Rating Definition
AAA	Highest credit quality. Lowest expectation of credit risk. Indicate exceptionally strong capacity for timely payment of financial commitments
AA+	
AA	Very high credit quality. Very low expectation of credit risk. Indicate very strong capacity for timely payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events.
AA-	
A+	
A	High credit quality. Low expectation of credit risk. The capacity for timely payment of financial commitments is considered strong. This capacity may, nevertheless, be vulnerable to changes in circumstances or in economic conditions.
A-	
BBB+	
BBB	Good credit quality. Currently a low expectation of credit risk. The capacity for timely payment of financial commitments is considered adequate, but adverse changes in circumstances and in economic conditions are more likely to impair this capacity.
BBB-	
BB+	
BB	Moderate risk. Possibility of credit risk developing. There is a possibility of credit risk developing, particularly as a result of adverse economic or business changes over time; however, business or financial alternatives may be available to allow financial commitments to be met.
BB-	
B+	
B	High credit risk. A limited margin of safety remains against credit risk. Financial commitments are currently being met; however, capacity for continued payment is contingent upon a sustained, favorable business and economic environment.
B-	
CCC	
CC	Very high credit risk. Substantial credit risk "CCC" Default is a real possibility. Capacity for meeting financial commitments is solely reliant upon sustained, favorable business or economic developments. "CC" Rating indicates that default of some kind appears probable. "C" Ratings signal imminent default.
C	
D	Obligations are currently in default.

Scale	Short-term Rating Definition
A1+	The highest capacity for timely repayment.
A1	A strong capacity for timely repayment.
A2	A satisfactory capacity for timely repayment. This may be susceptible to adverse changes in business, economic, or financial conditions.
A3	An adequate capacity for timely repayment. Such capacity is susceptible to adverse changes in business, economic, or financial conditions.
A4	The capacity for timely repayment is more susceptible to adverse changes in business, economic, or financial conditions. Liquidity may not be sufficient.



*The correlation shown is indicative and, in certain cases, may not hold.

Outlook (Stable, Positive, Negative, Developing) Indicates the potential and direction of a rating over the intermediate term in response to trends in economic and/or fundamental business/financial conditions. It is not necessarily a precursor to a rating change. 'Stable' outlook means a rating is not likely to change. 'Positive' means it may be raised. 'Negative' means it may be lowered. Where the trends have conflicting elements, the outlook may be described as 'Developing'.

Rating Watch Alerts to the possibility of a rating change subsequent to, or, in anticipation of some material identifiable event with indeterminable rating implications. But it does not mean that a rating change is inevitable. A watch should be resolved within foreseeable future, but may continue if underlying circumstances are not settled. Rating watch may accompany rating outlook of the respective opinion.

Suspension It is not possible to update an opinion due to lack of requisite information. Opinion should be resumed in foreseeable future. However, if this does not happen within six (6) months, the rating should be considered withdrawn.

Withdrawn A rating is withdrawn on a) termination of rating mandate, b) the debt instrument is redeemed, c) the rating remains suspended for six months, d) the entity/issuer defaults, or/and e) PACRA finds it impractical to surveil the opinion due to lack of requisite information.

Harmonization A change in rating due to revision in applicable methodology or underlying scale.

Surveillance. Surveillance on a publicly disseminated rating opinion is carried out on an ongoing basis till it is formally suspended or withdrawn. A comprehensive surveillance of rating opinion is carried out at least once every six months. However, a rating opinion may be reviewed in the intervening period if it is necessitated by any material happening.

Note. This scale is applicable to the following methodology(s):
 a) Broker Entity Rating
 b) Corporate Rating
 c) Debt Instrument Rating
 d) Financial Institution Rating
 e) Holding Company Rating
 f) Independent Power Producer Rating
 g) Microfinance Institution Rating
 h) Non-Banking Finance Companies Rating

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(1) Rating is just an opinion about the creditworthiness of the entity and does not constitute recommendation to buy, hold or sell any security of the entity rated or to buy, hold or sell the security rated, as the case may be | Chapter III; 14-3-(x)

2) Conflict of Interest

- i. The Rating Team or any of their family members have no interest in this rating | Chapter III; 12-2-(j)
- ii. PACRA, the analysts involved in the rating process and members of its rating committee, and their family members, do not have any conflict of interest relating to the rating done by them | Chapter III; 12-2-(e) & (k)
- iii. The analyst is not a substantial shareholder of the customer being rated by PACRA [Annexure F; d-(ii)] Explanation: for the purpose of above clause, the term "family members" shall include only those family members who are dependent on the analyst and members of the rating committee

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- (4) PACRA does not disclose or discuss with outside parties or make improper use of the non-public information which has come to its knowledge during business relationship with the customer | Chapter III; 10-7-(d)
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Conduct of Business

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- (7) PACRA uses due care in preparation of this Rating Report. Our information has been obtained from sources we consider to be reliable but its accuracy or completeness is not guaranteed. PACRA does not, in every instance, independently verifies or validates information received in the rating process or in preparing this Rating Report | Clause 11-(A)(p).
- (8) PACRA prohibits its employees and analysts from soliciting money, gifts or favors from anyone with whom PACRA conducts business | Chapter III; 11-A-(q)
- (9) PACRA ensures before commencement of the rating process that an analyst or employee has not had a recent employment or other significant business or personal relationship with the rated entity that may cause or may be perceived as causing a conflict of interest; | Chapter III; 11-A-(r)
- (10) PACRA maintains principal of integrity in seeking rating business | Chapter III; 11-A-(u)
- (11) PACRA promptly investigates, in the event of a misconduct or a breach of the policies, procedures and controls, and takes appropriate steps to rectify any weaknesses to prevent any recurrence along with suitable punitive action against the responsible employee(s) | Chapter III; 11-B-(m)

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- (12) PACRA receives compensation from the entity being rated or any third party for the rating services it offers. The receipt of this compensation has no influence on PACRA's opinions or other analytical processes. In all instances, PACRA is committed to preserving the objectivity, integrity and independence of its ratings. Our relationship is governed by two distinct mandates i) rating mandate - signed with the entity being rated or issuer of the debt instrument, and fee mandate - signed with the payer, which can be different from the entity
- (13) PACRA does not provide consultancy/advisory services or other services to any of its customers or to any of its customers' associated companies and associated undertakings that is being rated or has been rated by it during the preceding three years unless it has adequate mechanism in place ensuring that provision of such services does not lead to a conflict of interest situation with its rating activities; | Chapter III; 12-2-(d)
- (14) PACRA discloses that no shareholder directly or indirectly holding 10% or more of the share capital of PACRA also holds directly or indirectly 10% or more of the share capital of the entity which is subject to rating or the entity which issued the instrument subject to rating by PACRA; | Reference Chapter III; 12-2-(f)
- (15) PACRA ensures that the rating assigned to an entity or instrument is not be affected by the existence of a business relationship between PACRA and the entity or any other party, or the non-existence of such a relationship | Chapter III; 12-2-(i)
- (16) PACRA ensures that the analysts or any of their family members shall not buy or sell or engage in any transaction in any security which falls in the analyst's area of primary analytical responsibility. This clause shall, however, not be applicable on investment in securities through collective investment schemes. | Chapter III; 12-2-(l)
- (17) PACRA has established policies and procedure governing investments and trading in securities by its employees and for monitoring the same to prevent insider trading, market manipulation or any other market abuse | Chapter III; 11-B-(g)

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- (18) PACRA monitors all the outstanding ratings continuously and any potential change therein due to any event associated with the issuer, the security arrangement, the industry etc., is disseminated to the market, immediately and in effective manner, after appropriate consultation with the entity/issuer; | Chapter III | 17-(a)
- (19) PACRA reviews all the outstanding ratings periodically, on annual basis; Provided that public dissemination of annual review and, in an instance of change in rating will be made; | Chapter III | 17-(b)
- (20) PACRA initiates immediate review of the outstanding rating upon becoming aware of any information that may reasonably be expected to result in downgrading of the rating; | Chapter III | 17-(c)
- (21) PACRA engages with the issuer and the debt securities trustee, to remain updated on all information pertaining to the rating of the entity/instrument; | Chapter III | 17-(d)

Probability of Default

(22) PACRA's Rating Scale reflects the expectation of credit risk. The highest rating has the lowest relative likelihood of default (i.e., probability). PACRA's transition studies capture the historical performance behavior of a specific rating notch. Transition behavior of the assigned rating can be obtained from PACRA's Transition Study available at our website. (www.pacra.com). However, actual transition of rating may not follow the pattern observed in the past; | Chapter III | 14-3(f)(vii)

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Nature of Instrument	Size of Issue (PKR Bln)	Tenor	Security	Quantum of Security	Nature of Assets	Trustee	Book Value of Assets (PKR mln)
TFC II (Tier-II)	PKR 7.5695bln	10 years	Instrument will be unsecured and subordinated as to payment of principal and profit to all other indebtedness of the bank, including deposits and will not be redeemable before maturity without prior approval of SBP	N/A	N/A	Pak Brunei Investment Company Limited	N/A

The Bank of Punjab | Tier 2 Capital TFC | PKR 7.5695bln | Jun-24

Name of Issuer	The Bank of Punjab
Issue size	PKR 7.5695bln
Tenor	10 Years
Date of Issue	Thursday, June 27, 2024
Profit Rate	6 MK + 1.25%
Call Option	Exercisable after 5 years of disbursement date
Principal Repayment	The TFC is structured to redeem 0.36% of the issue amount, per semi-annual period, in the first 09 years and the remaining issue amount in two equal semi-annual installments of 49.82% each, in the 10th year.
Security	TFC is unsecured and subordinated as to the payment of principal and profit to all other indebtedness of the bank, including deposits and is not redeemable before maturity without prior approval of the SBP.

The Bank of Punjab | TFC II | Redemption Schedule

Due Date Principle	Opening Principal	Principal Repayment	Due Date Markup/ Profit	Markup/Profit Rate	6M Kibor (Assumed at 20.14%)	Markup/Profit Payment	Principal Payment	Installment Payable	Principal Outstanding
	PKR in mln	%age							
27-Jun-24	75,695								75,695
27-Dec-24	75,695	0.02%	6 months from issuance	6 Month Kibor + 1.25%	21.41%	8,125	15.1	8,140	75,680
27-Jun-25	75,680	0.02%	12 months from issuance	6 Month Kibor + 1.25%	21.41%	8,079	15.1	8,094	75,665
27-Dec-25	75,665	0.02%	18 months from issuance	6 Month Kibor + 1.25%	21.41%	8,122	15.1	8,137	75,650
27-Jun-26	75,650	0.02%	24 months from issuance	6 Month Kibor + 1.25%	21.41%	8,076	15.1	8,091	75,634
27-Dec-26	75,634	0.02%	30 months from issuance	6 Month Kibor + 1.25%	21.41%	8,119	15.1	8,134	75,619
27-Jun-27	75,619	0.02%	36 months from issuance	6 Month Kibor + 1.25%	21.41%	8,073	15.1	8,088	75,604
27-Dec-27	75,604	0.02%	42 months from issuance	6 Month Kibor + 1.25%	21.41%	8,116	15.1	8,131	75,589
27-Jun-28	75,589	0.02%	48 months from issuance	6 Month Kibor + 1.25%	21.41%	8,114	15.1	8,129	75,574
27-Dec-28	75,574	0.02%	54 months from issuance	6 Month Kibor + 1.25%	21.41%	8,112	15.1	8,127	75,559
27-Jun-29	75,559	0.02%	60 months from issuance	6 Month Kibor + 1.25%	21.41%	8,066	15.1	8,082	75,544
27-Dec-29	75,544	0.02%	66 months from issuance	6 Month Kibor + 1.25%	21.41%	8,109	15.1	8,124	75,528
27-Jun-30	75,528	0.02%	72 months from issuance	6 Month Kibor + 1.25%	21.41%	8,063	15.1	8,078	75,513
27-Dec-30	75,513	0.02%	78 months from issuance	6 Month Kibor + 1.25%	21.41%	8,106	15.1	8,121	75,498
27-Jun-31	75,498	0.02%	84 months from issuance	6 Month Kibor + 1.25%	21.41%	8,060	15.1	8,075	75,483
27-Dec-31	75,483	0.02%	90 months from issuance	6 Month Kibor + 1.25%	21.41%	8,103	15.1	8,118	75,468
27-Jun-32	75,468	0.02%	96 months from issuance	6 Month Kibor + 1.25%	21.41%	8,101	15.1	8,116	75,453
27-Dec-32	75,453	0.02%	102 months from issuance	6 Month Kibor + 1.25%	21.41%	8,099	15.1	8,114	75,438
27-Jun-33	75,438	0.02%	108 months from issuance	6 Month Kibor + 1.25%	21.41%	8,053	15.1	8,069	75,422
27-Dec-33	75,422	49.82%	114 months from issuance	6 Month Kibor + 1.25%	21.41%	8,096	37,711.2	45,807	37,711
27-Jun-34	37,711	49.82%	120 months from issuance	6 Month Kibor + 1.25%	21.41%	4,026		41,737	0
		100%					75,695.00	233,514.41	