Choice

State Bank of India

February 7, 2025

CMP: 752 | Target Price: INR 1,102 | Potential Upside: 46.5%



Change in Estimates	~
Change in Target Price	X
Change in Recommendation	X
Company Info	
BB Code	SBIN IN EQUITY
Face Value (INR)	1
52 W High/Low (INR)	912/654
Mkt Cap (Bn)	INR 6714/ \$ 76.6
Shares o/s (Bn)	8.92
3M Avg. Daily Volume	1,20,09,804
Actual vs Consensus	

Actual vs Consensus						
INR Bn	Q3FY25A	Consensus Est.	Dev.%			
NII	414	427	-2.89			
PPOP	236	292	-19.5			
P&C	9	59	-84.6			
PAT	169	182	-7.3			
Advances	40,104	40,900	-1.9			
Deposits	52,295	52,544	-0.5			

Change in	Change in CEBPL Estimates								
INR Bn		FY25E		FY26E					
	Old	Revised	Dev. (%)	Old	Revised	Dev. (%)			
NII	1,795	1,766	-1.6	2,116	2,332	10.2			
Other Income	517	517		528	526	-0.5			
OPEX	1,121	1,141	1.8	1,223	1,226	0.3			
P&C	180	140	-22.3	214	217	1.2			
PAT	764	753	-1.4	932	1100	18.1			
Adj. BVPS (Rs/sh)	482	483	0.1	568	585	2.9			
Deposits	53,292	53,275		60,123	59,218	-1.5			
Advances	40,860	41,315	1.1	44,304	44,880	1.3			
GNPA	821	755	-8.1	683	604	-11.6			

Shareholding Pa	ttern (%)		
	Dec-24	Sep-24	Jun-24
Promoters	57.40	57.50	57.50
FIIs	10.30	10.70	11.20
DIIs	24.90	24.10	23.60
Public	7.40	7.70	7.70
Relative Perform	ance (%)		
YTD	3Y	2Y	1Y
BANKEX	28.5	21.4	9.8
SBIN	47.0	43.1	19.8



Arshay Agarwal

Email: Arshay.agarwal@choiceindia.com

Ph: +91 22 6707 9521

Resilient performance by "the banking behemoth" setting the stage for outperformance

SBIN reported subdued performance in Q3FY25, failing short of market and our expectations on few key operational fronts. The bank reported lower traction in loan portfolio but momentum picked up in deposit franchise. SBIN reported converging spreads with upward drifting C/I ratio. The bank made losses on its treasury and forex business. Asset quality continues to remain strong. SBIN in Q3FY25 reported:

- Advances at INR 40,104 Bn (vs CEBPL est. INR 39,892 Bn), up 11.8% YoY while deposits grew 9.8% YoY to INR 52,295 Bn (vs CEBPL est. INR 51,510 Bn). CD ratio reported at 76.6%.
- Asset quality remains healthy as GNPA/NNPA improved by 32bps/10bps on YoY basis and 2bps/-2bps on QoQ basis. GNPA was reported at INR 844 Bn (vs CEBPL est. INR 828 Bn).
- PAT for Q3FY25 reported at INR 169 Bn, (vs CEBPL est. INR 188 Bn) was up by a staggering 84.3% YoY due to lower base previous year (due to INR 71 Bn one offs) but reduced 7.8% sequentially.

Treasury operations drags down profitability: Income from treasury and forex segments were muted during the quarter. On sequential basis, MTM gains were down by ~INR 34 Bn and forex income plummeted by INR 10 Bn. We expect a rebound in these segments as India enters the rate cut cycle. Also, SBIN has strategically increased the modified duration of its AFS portfolio from 1.92 in Q3FY24 to 2.34 in Q3FY25.

One-off provision write-back cushions net profit: SBIN reported provisioning of INR 9 Bn. The bank reported a provision reversal of INR 9 Bn and INR 5 bn on account of upgradation of COVID-19 restructured account to standard. Apart from this, credit cost related to NPA plunged to 0.24% from 0.39% from previous quarter. We expect the credit cost to normalize upwards going forward and settle at ~0.42%. Management has provided a 0.5% guidance across business cycles.

Potential for outperforming growth: SBIN maintains a low CD ratio of 76.6% and a domestic C/D ratio of 68.9%. SBIN can sustainably grow its loan portfolio faster than its deposit franchise. We expect the banking behemoth to sustain its NIM above 3% even in falling rates scenario as advances outpace the deposits. SBIN maintains INR 4.83 Tn pipeline in just corporate banking segment. Loans worth INR 2.22 Tn have already been sanctioned and rest are under process.

View and Valuation: We revise our FY25/26 ABVPS estimates upwards by 0.1%/2.9% and reiterate the 'BUY' rating. We maintain our TP of INR 1,102, valuing SBIN at 1.55x FY26 P/ABPS. SBIN is well positioned to capitalize on its extensive branch network and healthy C/D ratio of 76% to deliver loan growth higher than 15%. Management's commitment and its consistent achievement of this commitment of ROA/ROE greater than 1%/20% since last 11 quarters underpins the strong earnings visibility. Despite near term margin compression, we expect NIM to remain above 3% as loan mix tilts towards higher yielding SME and retail loans. We expect SBIN to deliver ROE ~22% in FY26.

India Banking: SBIN IN

Result Snapshot (INR Bn)	Q3 FY25	Q3 FY24	YoY (%)	Q2 FY25	QoQ (%)	EST.	Dev. (%)
NII	414	398	4.09	416	-0.42	424	-2.2
NIM (%)	3.12	3.28	-16 bps	3.18	-6 bps	3.14	-2 bps
Other Income	110	115	-3.65	153	-27.70	114	-3.0
Total Income	1285	1182	8.69	1291	-0.52	1306	-1.6
OPEX	289	309	-6.47	276	4.85	270	7.3
PPOP	236	203	15.81	293	-19.60	268	-12.1
P&C	9	7	32.45	45	-79.78	50	-81.7
PAT	169	92	84.32	183	-7.86	188	-10.2
Deposits	52295	47622	9.81	51173	2.19	51510	1.5
Advances	40104	35843	11.89	39207	2.29	39892	0.5
GNPA	844	867	-2.75	834	1.19	828	1.8
NNPA	214	224	-4.60	203	5.34	206	3.7

Institutional Equities Choice

Management Call - Highlights

Credit Growth

 The bank has set a credit growth guidance of 14% to 16% for the year and is currently on track, having achieved 13.49% YoY growth as of Q3 FY'25, with domestic credit growth at 14.06%.

- Growth was supported by 18% expansion in SME advances, 15% in agriculture and corporate lending, and 11.6% in retail personal loans.
- The bank has a strong corporate credit pipeline worth INR 4,83,000 crores, with INR 2,22,000 crores sanctioned and INR 2,61,000 crores under process.
- With a corporate credit growth target exceeding 10-12%, SBI expects to sustain momentum and achieve its annual credit growth projections.

Deposit Growth

- SBI revised its deposit growth guidance to 10%, with total deposits growing by 9.81% YoY to INR 52.29 trillion.
- Term deposits grew by 13.47% YoY, while current account deposits increased by 14.22%, contributing to overall deposit growth.
- The CASA ratio stands at 39.2%, having grown 4.46% YoY, with efforts underway to bring it back to 40% by focusing on salary account acquisitions.
- With focused customer acquisition strategies and deposit mobilization efforts, the bank is confident in achieving its 10% deposit growth target.

Asset Quality

- SBI continues to maintain strong asset quality, with a slippage ratio of 0.39%, including 0.32% in retail personal loans, and a credit cost of 0.24%.
- The net NPA ratio improved to 0.53%, supported by a well-provided NPA book with a Provision Coverage Ratio (PCR) of 75%.
- Management remains confident that the bank's credit cost will remain around 50 basis points, ensuring stable asset quality over time.

Profitability & Margins

- SBI reported a net profit of INR 16,891 crores in Q3, an 84% YoY increase, with ROA and ROE exceeding 1% and 20%, respectively.
- The bank aims to maintain an ROE of over 15%, backed by stable earnings growth and disciplined cost management.
- NIM is expected to remain above 3%, despite margin compression due to higher deposit costs and lower treasury gains in Q3.
- To mitigate cost pressures, SBI is focusing on enhancing its CASA ratio through targeted efforts in acquiring high-quality savings accounts, particularly salary accounts.

Digital Banking

- SBI continues its strong digital push, with over 8.5 crore customers registered on YONO (You Only Need One).
- 64% of savings bank accounts were opened through YONO in Q3 FY'25, reflecting increased digital adoption.
- The bank is implementing an enterprise-wide AI strategy to enhance personalization, staff training, and risk management.
- These digital initiatives are expected to further strengthen SBI's position in technology-driven banking and customer engagement.

Other Key Highlights

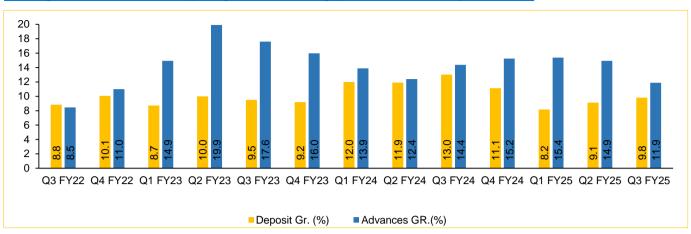
- The bank plans to open 400 to 430 new branches this financial year while strengthening customer outreach and its deposit franchise.
- SME lending continues to grow, supported by SBI's Business Rule Engine (BRE), which has disbursed INR 35,000 crores in SME loans.
- SBI is focused on right-selling of insurance products and has set up an internal ombudsman in SBI Life to address any complaints and cancellations.
- The bank is leveraging the budget proposals to boost demand, especially in the SME and agriculture sectors.
- SBIN is looking to capitalize on the consumption multiplier of 3x, which could benefit the personal loan segment.
- SBI is focusing on increasing the reach and digital offerings to attract Gen Z customers and aims to make them more interactive with the bank.
- SBI is focused on improving the efficiency of SME funding through its business rule engine (BRE), which has already disbursed a significant amount of loans.
- The bank is closely monitoring the impact of trade wars and tariffs on global supply chains.
- SBI aims to play a complementary role to the domestic banking sector through its international banking group.

SBIN plans to open 400-430 branches in 2025 to strengthen its outreach and its deposit franchise.

SBIN is looking to capitalize on the consumption multiplier of 3x, which could benefit the personal loan segment.

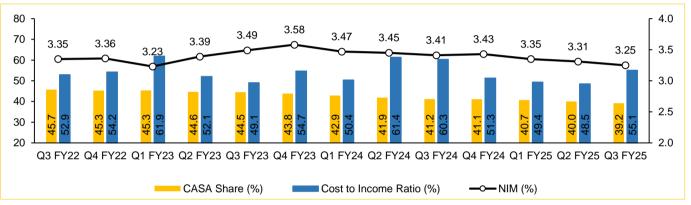
Announced potential launch of "Martech" platform in June 2025 which aims to engage with Gen-Z and offer hyper-personalized products.

Convergence in Advance and Deposit growth rates: the gap contracted to 210 bps in Q3FY25



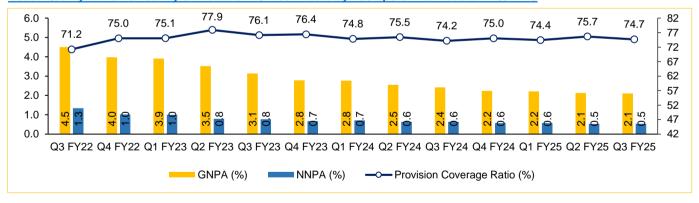
Source: Company, CEBPL

CASA and NIM drops and CI ratio shoots up in Q3FY25

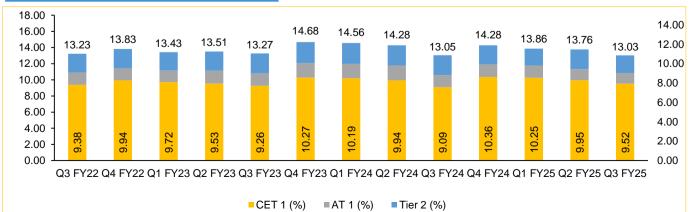


Source: Company, CEBPL

Asset Quality remains healthy and stable. PCR contracts by 100 bps on YoY basis in Q3FY25



CAR and CET declined on QoQ basis in Q3FY25



Sequential Operating Performance

Particulars (Rs bn)	Q3 FY24	Q4 FY24	Q1 FY25	Q2 FY25	Q3 FY25	YoY (%)	QoQ (%)
Interest Earned	1,067	1,110	1,115	1,139	1,174	10.0	3.1
Interest Expended	669	694	704	723	760	13.5	5.2
NII	398	417	411	416	414	4.1	-0.4
Other Income	115	174	112	153	110	-3.6	-27.7
Fees & commissions Total Income	62 1 182	87 1 284	69 1 227	68 1 201	73 1 285	16.5 8.7	6.3
Total Income OPEX	1,182 309	1,284 303	1,227 258	1,291 276	1,285 289	8.7 -6.5	-0.5 4.9
PPOP	309 203	303 287	258 264	276 293	289 236	-6.5 15.8	4.9 -19.6
P&C (incl NPA)	203 7	207 16	204 34	293 45	236 9	32.5	-19.6
PBT	125	271	230	248	226	80.4	-79.6
Tax	34	64	60	65	57	69.9	-0. -11.0
Net Profit	92	207	170	183	169	84.3	-7.9
Outstanding Shares	9	9	9	9	9	0.0	0.0
Dil. EPS (Rs)	10	23	19	21	19	84.3	-7.
Balance Sheet items/ratios (Rs bn)							
Deposits	47,622	49,161	49,017	51,173	52,295	9.8	2.:
CA Deposits	2,495	2,870	2,462	2,784	2,851	14.3	2.4
SB Deposits	16,318	16,550 10,430	16,683	16,875	16,802	3.0	-0.
CASA Torm Donosite	18,813	19,420	19,144	19,659 20,446	19,653	4.5	0.0
Term Deposits	26,866 35,843	27,823 37,675	27,895 38 121	29,446 39,207	30,486 40 104	13.5 11 9	3. 2.
Advances CD (%)	35,843 75.3	37,675 76.6	38,121 77.8	39,207 76.6	40,104 76.7	11.9 142 bps	2. 7 bp
CD (%) CASA Share (%)	75.3 41.2	76.6 41.1	77.8 40.7	76.6 40.0	76.7 39.2	142 bps -199 bps	7 bp -84 bp
CASA Snare (%) CAR(%)	41.2 13.1	41.1 14.3	40.7 13.9	40.0 13.8	39.2 13.0	-199 pps -2 bps	-84 pp -73 bp
CAR(%) Tier 1 (%)	13.1	14.3	13.9	13.8	10.9	-2 bps 27 bps	-73 bp -47 bp
CET 1 (%)	9.1	10.4	10.3	10.0	9.5	43 bps	-47 bp
Operating ratios (%)	J. I		. 5.5		5.5		
Credit cost (Annualized)	0.05	0.12	0.25	0.32	0.06	1 bps	-26 bp
CoD (Dom.)	4.75	4.81	5.00	5.03	5.07	32 bps	4 bp
YoA (Dom.)	8.88	8.91	8.83	8.87	8.89	1 bps	2 bp
NIM	3.28	3.28	3.22	3.18	3.12	-16 bps	-6 bp
NIM(Domestic)	3.41	3.43	3.35	3.31	3.25	-16 bps	-6 bp
Yol	6.95	7.00	7.20	7.21	7.21	26 bps	0 bp:
Cost-Income (C/I) Ratio	60.34	51.30	49.42	48.51	55.13	-521 bps	662 bp
Assets Quality							
Gross NPAs	867	843	842	834	844	-2.8	1.2
Net NPAs	224	211	216	203	214	-4.6	5.3
GNPA (%)	2.42	2.24 0.57	2.21 0.57	2.13	2.10 0.54	-32 bps	-2 bp:
NNPA (%) Coverage Ratio(%)	0.64 74.17	0.57 75.02	0.57 74.41	0.53 75.66	0.54 74.66	-10 bps 49 bps	2 bp: -100 bp:
Coverage Ratio(%) RoA(%) (average) - annualized	74.17 0.61	75.02 1.33	74.41 1.09	75.66 1.13	74.66 1.00	49 pps 39 bps	-100 bp -13 bp
Slippages	0.01	1.33	1.09	1.13	1.00	ออ มหร	- 13 up
Restructured book (RA)	189	173	160	148	0	-100.0	-100.0
RA % of loan book	0.53	0.46	0.42	0.38	0.00	-53 bps	-38 bp:
Gross slippages	50	39	79	49	38	-22.9	-21.
R&U	18	21	37	26	12	-32.9	-53.
Write-offs	35	44	51	32	19	-43.9	-39.2
Slippages (Net Addition to GNPAs)	50	40	87	50	41	-17.8	-16.
Slippages (%)	0.15	0.11	0.24	0.13	0.11	-0.04	-0.0
Advances Break-Out							
Gross Advances	35,843	37,675	38,121	39,207	40,104	11.9	2.:
Domestic Advances	30,303	32,284	32,591	33,325	34,564	14.1	3.7
Corporate Credit	14,422	15,712	15,820	16,137	16,727	16.0	3.
SME Agricultura Advances	4,181 2,017	4,330 3,049	4,434 3,001	4,565 3,222	4,964 3 364	18.7 15.3	8.7
Agriculture Advances	2,917 5,540	3,049 5 301	3,091 5,530	3,222 5,882	3,364 5,540	15.3 0.0	4.4 -5.8
International Retail Advances	5,540 12,963	5,391 13,523	5,530 13,680	5,882 13,966	5,540 14 473	0.0 11.7	-5.8 3.6
Retail Advances Home	12,963 6,939	13,523 7,258	13,680 7,396	13,966 7,641	14,473 7,928	11.7 14.3	3.6 3.8
Home Auto	6,939 1,131	7,258 1,165	7,396 1,176	7,641 1,174	7,928 1,245	14.3 10.0	3.8 6.0
Auto Other Retail	1,131 4,893	1,165 5,099	1,176 5,108	1,174 5,151	1,245 5,300	10.0 8.3	6.0 2.9
Domestic Advances segments (% wise)	+,∪∂∪	ح. حوں, د	٥, ١٥٥	ا ا ا ا	5,500	0.0	∠.:
Corporate Credit	47.6	48.7	48.5	48.4	48.4		
SME	13.8	13.4	13.6	13.7	14.4		
Agriculture Advances	9.6	9.4	9.5	9.7	9.7		
Retail Advances	42.8	44.6	45.1	46.1	47.8		
Network (in num)							
Branches	22,494	22,542	22,580	22,640	22,740		
ATMs	65000	62000	62000	63000	63000		

View & Valuation

We revise our FY25/26 ABVPS estimates upwards by 0.1%/2.9% and reiterate the 'BUY' rating. We maintain our TP of INR 1,102, valuing SBIN at 1.55x FY26 P/ABPS. SBIN is well positioned to capitalize on its extensive branch network and healthy C/D ratio of 76% to deliver loan growth higher than 15%. Management's commitment and its consistent achievement of this commitment of ROA/ROE greater than 1%/20% since last 11 quarters underpins the strong earnings visibility. Despite near term margin compression, we expect NIM to remain above 3% as loan mix tilts towards higher yielding SME and retail loans. We expect SBIN to deliver ROE ~22% in FY26.

SOTP Valuation	Holding (%)	Value/Share (Rs/Sh)	Basis	Value (Rs bn)
SBIN IN	100%	904	1.55x FY26E ABV	7,292
SBI Life Insurance	55%	91	CMC	1,468
SBI Cards & Payment	69%	59	CMC	771
SBI AMC	63%	39	5% of AUM	557
SBI General Insurance	70%	9	18 P/E x FY25E	121
SBI Capital	100%	48	18 P/E x FY25E	429
Yes Bank	24%	16	CMC	604
Value of subsidiaries		264		
Less: Holding company discount		25%		
Value of subsidiaries after holding discount		198		
SOTP Value per Share		1,102		

12M forward P/Adjusted Book Value



Source: Company, CEBPL

Key risks to investment

Asset quality risks - Rising non-performing assets (NPAs) could impact profitability and strain capital reserves.

Interest rate volatility - Fluctuations in rates can compress net interest margin and impact profitability.

Financial Summary (Standalone in INR Bn.)

Income Statement	FY22	FY23	FY24	FY25E	FY26E
Interest Earned	2,755	3,321	4,151	4,658	4,980
Growth (%)	34.6	38.9	36.5	12.2	6.9
Interest Expended	1,547	1,873	2,553	2,892	2,647
Growth (%)	34.3	39.0	37.3	13.3	-8.5
Net Interest Income	1207	1448	1599	1,766	2,332
Net Interest Margin (%)	3.12	3.37	3.28	3.12	3.78
Other Income	406	366	517	526	571
% of Interest Income	12.8	9.9	11.1	11.3	11.5
Total Income	3,160	3,687	4,668	5,184	5,550
Growth (%)	35.4	40.8	37.9	11.0	7.1
Operating & Other expenses	860	977	1,178	1,141	1,226
PPOP	753	837	938	1,150	1,677
P&C	245	165	49	140	217
P&C % of Advances	0.9	0.5	0.1	0.3	0.5
Operating Profit before Tax	434	672	818	1,010	1,460
Growth (%)	40.3	46.4	49.7	23.5	44.6
Pre-tax Margin %	13.7	18.2	17.5	19.5	26.3
Tax	117	170	207	257	360
% of PBT	27.1	25.3	25.4	25.5	24.7
Reported PAT	317	502	610	753	1100
Net Profit Margin %	10.0	13.6	13.1	14.5	19.8
Extrodinary Income	0	0	0	0	0
Adjusted PAT	317	502	610	753	1100
Growth (%)	55.2	58.6	21.5	23.3	46.1

Source: Company, CEBPL

Balance Sheet	FY22	FY23	FY24	FY25E	FY26E
Cash with RBI and Banks	3,183	2,471	2,251	1,852	4,260
Investments	14,814	15,704	16,713	17,970	19,244
Advances	27,340	31,993	37,040	41,315	44,880
Fixed assets	377	424	426	421	423
Other assets	3,399	3,971	4,510	5,355	5,874
TOTAL ASSETS	49,876	55,170	61,797	66,912	74,681
Capital	9	9	9	9	9
Reserves and Surplus	2,792	3,267	3,764	4,529	5,409
Deposits	40,515	44,238	49,161	53,275	59,218
Borrowings	4,260	4,931	5,976	5,927	6,469
Other liabilities and provisions	2,299	2,725	2,888	3,173	3,576
TOTAL CAPITAL AND LIABILITIES	49,876	55,170	61,797	66,912	74,681

Financial Ratios	FY22	FY23	FY24	FY25E	FY26E
Return / Profitability Ratios (%)	1122	1123	1124	11236	1 120L
Net interest margin (NIM)	3.1	3.4	3.3	3.1	3.8
Yield on Advances	7.5	7.8	8.9	8.8	8.7
Yield on Investments	6.1	6.5	7.0	6.9	6.6
EPS (Diluted) (Rs)	35.5	56.3	68.4	84.3	123.2
RoA	0.7	1.0	1.0	1.2	1.6
RoE	11.9	16.5	17.3	18.1	22.1
Cost of Deposits	3.8	4.0	4.8	4.9	4.4
Operating ratios (%)		· · ·		1	
Credit to Deposit (C/D)	67.5	72.3	75.3	77.6	75.8
Cost to Income (C/I)	53.3	53.9	55.7	49.8	42.2
CASA Share	45.3	43.8	41.1	38.6	36.0
Investment / Deposit	36.6	35.5	34.0	33.7	32.5
Non Interest Income / Total Income	12.8	9.9	11.1	10.1	10.3
Capital adequacy (%)					
Tier-1	9.9	10.3	10.4	10.5	11.5
CAR (BASEL III)	13.8	14.7	14.3	14.6	16.1
Equity / Assets	5.6	5.9	6.1	6.8	7.3
Loans / Assets	54.8	58.0	59.9	61.7	60.1
Investments / Assets	29.7	28.5	27.0	26.9	25.8
Dividend pay-out	20.0	20.1	20.0	20.0	20.0
Asset Quality ratios (%)					
Gross NPA	4.0	2.8	2.2	2.1	1.8
Net NPA	1.0	0.7	0.6	0.6	0.4
Coverage Ratio	75.0	76.4	75.0	73.2	74.9
Slippage Ratio	1.0	0.6	0.6	1.0	1.2
Credit cost	0.9	0.5	0.1	0.3	0.5
Per Share Data (Rs)					
EPS (Diluted)	35.5	56.3	68.4	84.3	123.2
DPS	7.1	11.3	13.7	16.9	24.6
BVPS	314.0	367.3	422.9	508.5	607.1
Adjusted BVPS	282.6	343.2	399.3	482.5	584.6
Valuation ratios (x)					
P/E (x)	23.7	15.0	12.3	10.0	6.8
P/BV (x)	2.7	2.3	2.0	1.7	1.4
P/ABV (x)	3.0	2.5	2.1	1.7	1.4
Growth ratios (%)					
Advances	11.6	17.0	15.8	11.5	8.6
Deposits	10.1	9.2	11.1	8.4	11.2
Net Interest Income (NII)	9.0	20.0	10.4	10.4	32.1
Interest Earned	3.9	20.6	25.0	12.2	6.9
PAT	55.2	58.6	21.5	23.3	46.1

Historical recommendations and Target Price: FB Limited



nstitutional Research Team							
Utsav Verma	Head of Research – Institutional Equities	utsav.verma@choiceindia.com	+91 22 6707 9440				
Deepika Murarka	Analyst – Pharmaceuticals / Healthcare	deepika.murarka@choiceindia.com	+91 22 6707 9513				
Ashutosh Murarka	Analyst – Cement / Building Material	ashutosh.murarka@choiceindia.com	+91 22 6707 9887				
Putta Ravi Kumar	Analyst – Defence	ravi.putta@choiceindia.com	+91 22 6707 9908				
Aayush Saboo	Analyst – Real Estate & Infrastructure	aayush.saboo@choiceindia.com	+91 22 6707 9512				
Maitri Sheth	Analyst – Pharmaceuticals / Healthcare	maitri.sheth@choiceindia.com	+91 22 6707 9511				
Bharat Kumar Kudikyala	Associate – Cement / Building Material	bharat.kudikyala@choiceindia.com	+91 22 6707 9887				
Arshay Agarwal	Associate – Banking & Financial Services	arshay.agarwal@choiceindia.com	+91 22 6707 9521				
Heet Chheda	Associate – Automobile	heet.chheda@choiceindia.com	+91 22 6707 9952				
Aryan Goyal	Associate – Auto	aryan.goyal@choiceindia.com	+91 22 6707 9517				
Rushil Katiyar	Associate – Information Technology	rushil.katiyar@choiceindia.com	+91 22 6707 9887				

CHOICE RATING DISTRIBUTION & METHODOLOGY

BUY The security is expected to generate upside of 15% or more over the next 12 months

HOLD The security is expected to show upside or downside returns by 14% to -5% over the next 12 months

SELL The security is expected to show downside of 5% or more over the next 12 months

Disclaimer

Research Disclaimer and Disclosure inter-alia as required under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

Choice Equity Broking Private Limited-Research Analyst - INH000000222. (CIN. NO.: U65999MH2010PTC198714). Reg. Add.: Sunil Patodia Tower, J B Nagar, Andheri(East), Mumbai 400099. Tel. No. 022-6707 9999

Compliance Officer--Prashant Salian, Email Id – Prashant.salain@choiceindia.com Contact no. 022- 67079999- Ext-2310

Grievance officer-Deepika Singhvi Tel.022-67079999- Ext-834. Email- ig@choiceindia.com

Investment in securities market are subject to market risks. Read all the related documents carefully before investing. Registration granted by SEBI, and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors

This Research Report (hereinafter referred as "Report") has been prepared by Choice Equity Broking Private Limited as a Research Entity (hereinafter referred as "CEBPL RE" Limited. The Research Analysts, strategists are principally responsible for the preparation of "CEBPL RE" research. The research analysts have received compensation based upon various factors, which may include quality of research, investor client feedback, stock picking, competitive factors and firm revenues etc.

Whilst CEBPL has taken all reasonable steps to ensure that this information is correct, CEBPL does not offer any warranty as to the accuracy or completeness of such information. Any person placing reliance on the report to undertake trading does so entirely at his or her own risk and CEBPL does not accept any liability as a result. Securities and Derivatives markets may be subject to rapid and unexpected price movements and past performance is not necessarily an indication of future performance.

General Disclaimer: This 'Report' is strictly meant for use by the recipient and is not for circulation. This Report does not take into account particular investment objectives, financial situations or specific needs of individual clients nor does it constitute a personal recommendation. The recommendations, if any, made herein are expression of views and/or opinions and should not be deemed or construed to be neither advice for the purpose of purchase or sale of any security, derivatives or any other security through CEBPL nor any solicitation or offering of any investment/trading opportunity on behalf of the issuer(s) of the respective security (ies) referred to herein.

Institutional Equities Choice

These information / opinions / views are not meant to serve as a professional investment guide for the readers. No action is solicited based upon the information provided herein. Recipients of this "Report" should rely on information/data arising out of their own Study/investigations. It is advised to seek independent professional advice and arrive at an informed trading/investment decision before executing any trades or making any investments. This 'Report' has been prepared on the basis of publicly available information, internally developed data and other sources believed by CEBPL to be reliable. CEBPL or its directors, employees, affiliates or representatives shall not be responsible for, or warrant for the accuracy, completeness, adequacy and reliability of such information / opinions / views. Though due care has been taken to ensure that the disclosures and opinions given are fair and reasonable, none of the directors, employees, affiliates or representatives of CEBPL shall be liable for any direct, indirect, special, incidental, consequential, punitive or exemplary damages, including lost profits arising in any way whatsoever from the information / opinions / views contained in this report.

The price and value of the investments referred to in this Report and the income from them may tend to go down as well as up, and investors may incur losses on any investments. Past performance shall not be a guide for future performance. CEBPL does not provide tax advice to its clients, and all investors are strongly advised to take advice of their tax advisers regarding taxation aspects of any potential investment. Opinions are based on the current scenario as of the date appearing on this 'Report' only. CEBPL does not undertake to advise you as to any change of our views expressed in this "Report' may differ on account of differences in research methodology, personal judgment and difference in time horizons for which recommendations are made. User should keep this risk in mind and not hold CEBPL, its employees and associates responsible for any losses, damages of any type whatsoever.

Disclaimers in respect of jurisdiction: This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject "CEBPL RE" to any registration or licensing requirement within such jurisdiction(s). No action has been or will be taken by "CEBPL RE" in any jurisdiction (other than India), where any action for such purpose(s) is required. Accordingly, this 'Report' shall not be possessed, circulated and/or distributed in any such country or jurisdiction unless such action is in compliance with all applicable laws and regulations of such country or jurisdiction. "CEBPL" requires such recipient to inform himself about and to observe any restrictions at his own expense, without any liability to "CEBPL". Any dispute arising out of this Report shall be subject to the exclusive jurisdiction of the Courts in Mumbai (India).

Statements on ownership and material conflicts of interest, compensation - CEBPL and Associates reciprocates to the best of the knowledge and belief of CEBPL/ its Associates/ research Analyst who is preparing this report.

Disclosures of Interest (Additional):

- "CEBPL", its research Analyst(s), or its associates or relatives of the Research Analyst does not have any financial interest in the company(ies) covered in this report.
- 2. "CEBPL" its research Analyst, or its associates or relatives of the research analyst affiliates collectively do not hold more than 1 of the securities of the company(ies) covered in this report as of the end of the month immediately preceding the distribution of the research report.
- 3. "CEBPL", its research analyst, his/her associate, his/her relative, do not have any other material conflict of interest at the time of publication of this research report.
- 4. "CEBPL", its research analyst, and its associates have not received compensation for investment banking or merchant banking or brokerage services or for any other products or services from the company(ies) covered in this report, in the past twelve months.
- "CEBPL", its research analyst, or its associates have not managed or co-managed in the previous twelve months, a private or public offering of securities for the company (ies) covered in this report.
- "CEBPL, or its associates have not received compensation or other benefits from the company(ies) covered in this report or from any third party, in connection with the research report.
- 8. CEBPL research analyst has not served as an Officer, Director, or employee of the company (ies) covered in the Research report.

9. "CEBPL", its research analyst has not been engaged in market making activity for the company(ies) covered in the Research report.

Details of Associates of CEBPL and Brief History of Disciplinary action by regulatory authorities are available on our

website i.e. https://choiceindia.com/research-listing

Sr. No.	Particulars	Yes / No
1.	Whether compensation has been received from the company(ies) covered in the Research report in the past 12 months for investment banking transaction by CEBPL	No
2	Whether Research Analyst, CEBPL or its associates or relatives of the Research Analyst affiliates collectively hold more than 1 of the company(ies) covered in the Research report	No
3.	Whether compensation has been received by CEBPL or its associates from the company(ies) covered in the Research report	No
4.	CEBPL or its affiliates have managed or co-managed in the previous twelve months a private or public offering of securities for the company(ies) covered in the Research report	No
5.	CEBPL, its research analyst, his associate, or its associates have received compensation for investment banking or merchant banking or brokerage services or for any other products or services from the company(ies) covered in the Research report, in the last twelve months	No

Copyright: The copyright in this research report belongs exclusively to CEBPL. All rights are reserved. Any unauthorized use or disclosure is prohibited. No reprinting or reproduction, in whole or in part, is permitted without the CEBPL's prior consent, except that a recipient may reprint it for internal circulation only and only if it is reprinted in its entirety.

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

Information barriers may be relied upon by CEBPL, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups, or affiliates of CEBPL.

Investing in any non-U.S. securities or related financial instruments (including ADINR) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States. The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

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

No part of the content of this research report may be copied, forwarded or duplicated in any form or by any means without the prior written consent of CEBPL and CEBPL accepts no liability whatsoever for the actions of third parties in this respect.

The details of CEBPL, its research analyst and its associates pertaining to the companies covered in the Research report are given above.