

Strong growth/RoA delivery; hopes abound, on new MD

BFSI - Banks ▶ Result Update ▶ July 24, 2024

TARGET PRICE (Rs): 250

Federal Bank has posted strong credit growth of 20% YoY, defying industry-wide moderation; but margin slipped a bit, as expected, by 5bps QoQ to 3.15% as loan yields remain stunted. However, higher recoveries from written-off accounts + PSLC fees, partly offset by higher opex/provisions, helped the bank deliver RoA of 1.3%. Slippages were seasonally higher in retail/agri, but overall asset quality is holding up well, with GNPA ratio at 2.1%. After a nail-biting wait, the RBI has finally cleared KVS Manian as the new MD and CEO (wef 23-Sep-2024), who will replace existing MD/CEO Shyam Srinivasan. We believe Manian's experience in building the retail/corporate book at a large bank (Kotak Bank) would help sweat Federal Bank's otherwise strong platform and thus deliver better growth/margin-driven higher RoAs/RoEs, hence calling for higher valuations similar to those for IDFCB/CUBK. We retain BUY, hoisting our TP to Rs250/sh (Rs200 earlier), rolling forward to 1.5x Jun-26E ABV (from 1.3x), and the subsidiary at Rs14/share.

Federal Bank: Financial Snapshot (Standalone)

Y/E Mar (Rs mn)	FY23	FY24	FY25E	FY26E	FY27E
Net profit	30,106	37,206	43,869	52,112	63,454
Loan growth (%)	20.4	20.0	18.1	19.0	20.0
NII growth (%)	21.3	14.7	17.9	19.8	21.5
NIM (%)	3.3	3.1	3.1	3.1	3.2
PPOP growth (%)	27.6	7.9	26.9	25.3	27.1
Adj. EPS (Rs)	14.2	15.3	18.0	21.4	26.1
Adj. EPS growth (%)	58.3	7.4	17.9	18.8	21.8
Adj. BV (INR)	96.3	115.6	133.6	152.4	174.9
Adj. BVPS growth (%)	16.6	20.0	15.6	14.1	14.8
RoA (%)	1.3	1.3	1.3	1.3	1.3
RoE (%)	15.2	14.8	14.0	14.5	15.3
P/E (x)	13.2	12.3	10.4	8.8	7.2
P/ABV (x)	1.9	1.6	1.4	1.2	1.1

Source: Company, Emkay Research

Hopes abound on new MD to focus on better margin delivery

Federal Bank has reported healthy credit growth at 20% YoY/5% QoQ, mainly led by robust growth in corporate and SME; however, retail lagged. We believe the retail drag during the quarter was mainly due to sluggishness in gold/card segment growth (small portfolio, though), partly hurt by the bank's sourcing partnership with Rupeek and OneCard, but vehicle and PL loan growth remains healthy. Thus, slower growth in retail and, in turn, the portfolio mix has weighed on loan yields, leading to 5bps QoQ reduction in NIMs to 3.15%. We believe the new MD's strategy on delivering a better risk-adjusted margin (the outgoing MD's unfinished plan)—as seen during his stint at Kotak Bank—and, thus, the RoA would be keenly watched.

Asset quality holds up well

Slippages were largely in line with expectations, at Rs4.2bn/0.9% of loans, with some seasonal uptick seen in retail/agri; but the bank managed to hold up headline GNPA ratio at 2.1%. The management indicated that there is no incremental stress on its Card (small portfolio) or its MFI businesses. The bank maintains a healthy specific PCR of 72% and should, thus, limit incremental provisions on the back-book and thus support RoAs.

We retain our BUY rating on the stock

The stock has rallied on hopes of a change in management. We believe that Manian's experience in building the retail/corporate book at a large bank (Kotak Bank) earlier would help sweat Federal Bank's otherwise strong platform and thus help deliver growth/margin-driven sustained higher RoAs/RoEs and thus calling for higher valuations similar to IDFCB/CUBK. Thus, we revise out TP to Rs250/share (v/s Rs200) based on better valuations for standalone bank (1.5x Jun-26E ABV) and the subsidiary at Rs14/share. **Key risks:** Asset-quality risk amid rising macro/micro stress, delay in C/I ratio improvement, and KMP attrition given change in top management.

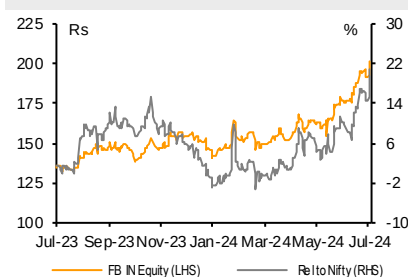
Target Price – 12M	Jun-25
Change in TP (%)	25.0
Current Reco.	BUY
Previous Reco.	BUY
Upside/(Downside) (%)	24.2
CMP (24-Jul-24) (Rs)	201.2

Stock Data	Ticker
52-week High (Rs)	204
52-week Low (Rs)	131
Shares outstanding (mn)	2,447.3
Market-cap (Rs bn)	492
Market-cap (US\$ mn)	5,883
Net-debt, FY25E (Rs mn)	NA
ADTV-3M (mn shares)	16
ADTV-3M (Rs mn)	2,783.7
ADTV-3M (US\$ mn)	33.3
Free float (%)	100.0
Nifty-50	24,414
INR/US\$	83.7
Shareholding, Jun-24	
Promoters (%)	-
FPIs/MFs (%)	28.4/44.7

Price Performance

(%)	1M	3M	12M
Absolute	14.4	31.0	50.2
Rel. to Nifty	10.3	20.2	21.1

1-Year share price trend (Rs)



Anand Dama

anand.dama@emkayglobal.com
+91 22 6624 2480

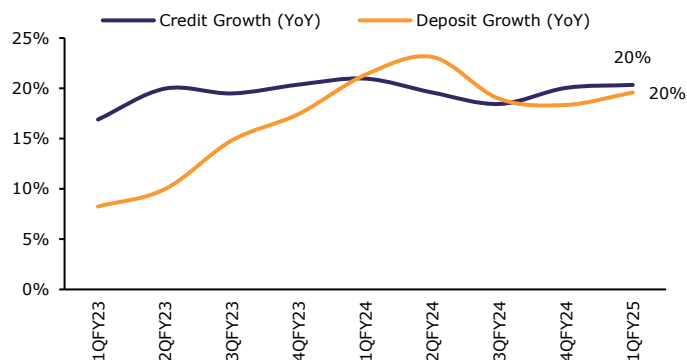
Kunaal N

kunaal.n@emkayglobal.com
+91 22 6612 1275

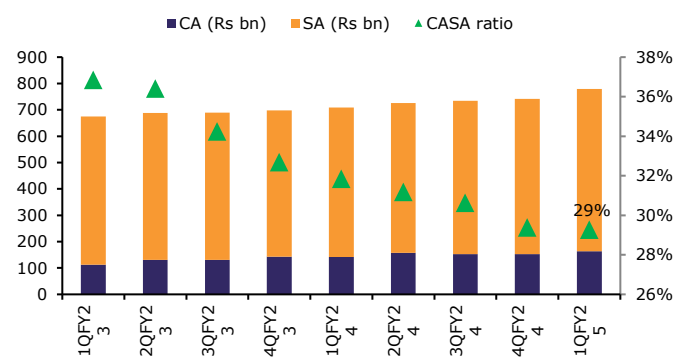
Marazbaan Dastur

marazbaan.dastur@emkayglobal.com
+91 22 6612 1281

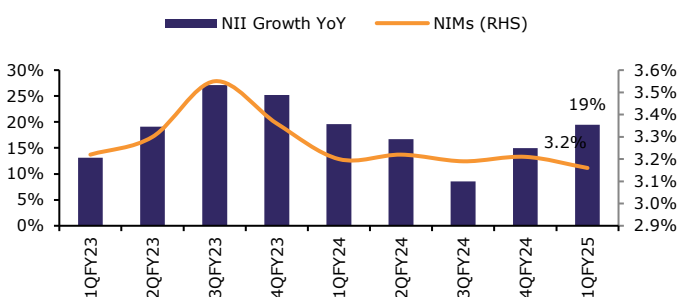
Story in Charts

Exhibit 1: Credit/deposit growth remains strong


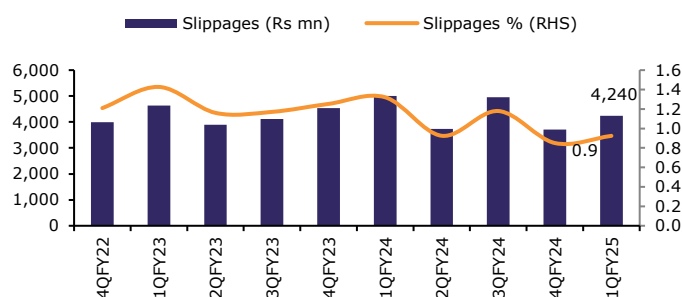
Source: Company, Emkay Research

Exhibit 2: Better NRI SA flow led to healthy growth in deposits as well as in CASA


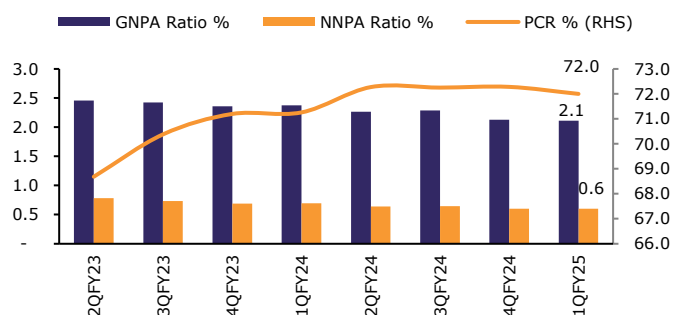
Source: Company, Emkay Research

Exhibit 3: NIMs slips a tad due to slower loan yields


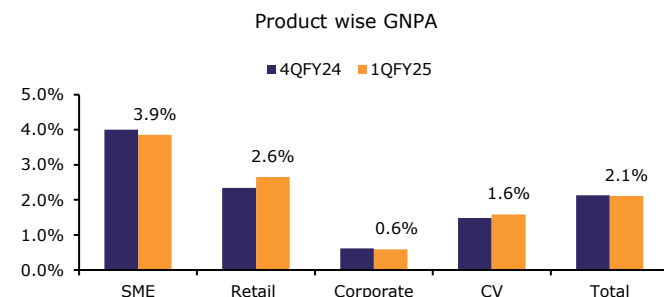
Source: Company, Emkay Research

Exhibit 4: Slippages were seasonally higher QoQ


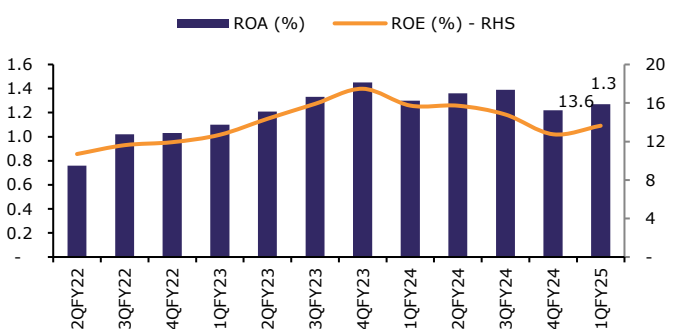
Source: Company, Emkay Research

Exhibit 5: Asset quality holds up well


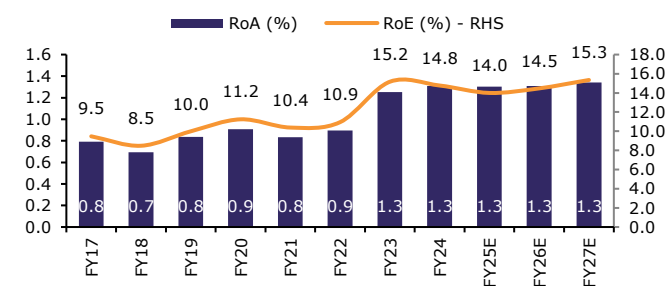
Source: Company, Emkay Research

Exhibit 6: Retail stress is more seasonal


Source: Company, Emkay Research

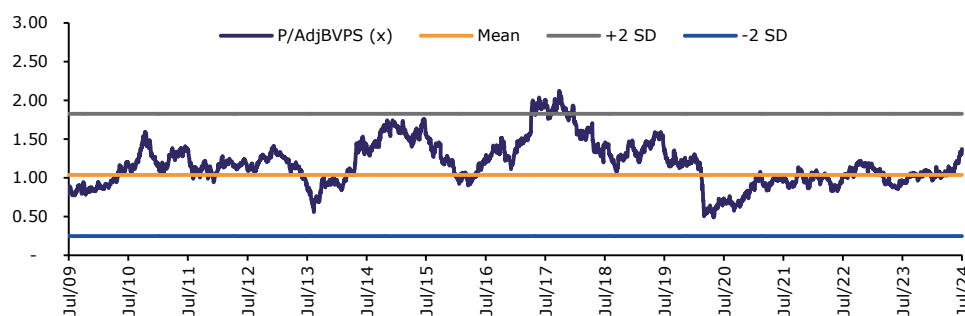
Exhibit 7: RoA remains healthy, partly aided by higher other income


Source: Company, Emkay Research

Exhibit 8: We expect RoA/RoE to stay robust going forward, amid improving margins


Source: Company, Emkay Research

Exhibit 9: The stock currently trades at reasonable valuations



Source: Bloomberg, Emkay Research

Exhibit 10: Actuals vs Estimates

(Rs mn)	Actuals	Estimates		Variation		Comments
		Emkay	Consensus	Emkay	Consensus	
Net income	32,072	30,724	30,040	4%	7%	Higher recoveries from written-off accounts led to a beat
PPOP	15,009	14,663	14,014	2%	7%	NII beat partly offset by higher opex lead to a slight beat
PAT	10,095	10,071	9,462	0%	7%	PPOP beat offset by higher provisions led to in-line PAT

Source: Company, Emkay Research

Exhibit 11: Quarterly Summary

(Rs mn)	1QFY24	2QFY24	3QFY24	4QFY24	1QFY25	YoY (%)	QoQ (%)	FY24	FY25E	YoY (%)
Interest Earned	50,245	54,553	57,301	59,784	63,309	26.0	5.9	221,883	265,783	19.8
Interest Exp	31,059	33,989	36,067	37,832	40,389	30.0	6.8	138,948	168,022	20.9
Net Interest Income	19,186	20,564	21,234	21,951	22,920	19.5	4.4	82,935	97,761	17.9
Global NIMs (reported)	3.20	3.22	3.19	3.21	3.16	-4bps	-5bps	3.14	3.11	-3bps
Non-interest Income	7,324	7,304	8,626	7,539	9,152	25.0	21.4	30,793	36,873	19.7
Operating Expenses	13,487	14,624	15,486	18,386	17,063	26.5	-7.2	61,983	68,967	11.3
Pre Provisioning Profit	13,024	13,245	14,373	11,104	15,009	15.2	35.2	51,745	65,667	26.9
Provision & Contingencies	1,556	439	1,514	-670	1,440	-7.4	-314.9	1,961	6,978	255.9
PBT	11,468	12,806	13,461	12,054	13,566	18.3	12.6	49,784	58,688	17.9
Income Tax Expense (Gain)	2,930	3,267	3,394	2,987	3,471	18.5	16.2	12,578	14,819	17.8
Net Profit/(Loss)	8,537	9,538	10,067	9,067	10,095	18.2	11.3	37,206	43,869	17.9
Gross NPA (%)	2.38	2.26	2.29	2.13	2.11	-26bps	-2bps	2.13	2.02	-10bps
Net NPA (%)	0.69	0.64	0.64	0.60	0.60	-9bps	0bps	0.60	0.58	-2bps
Deposits (Rs bn)	2,225	2,329	2,396	2,525	2,661	19.6	5.4	2,525	3,057	21.1
Net Advances (Rs bn)	1,835	1,928	1,992	2,094	2,208	20.3	5.4	2,094	2,473	18.1

Source: Company, Emkay Research

Exhibit 12: Revision in Estimates

Y/E Mar (Rs mn)	FY25E			FY26E			FY27E		
	Earlier	Revised	Change	Earlier	Revised	Change	Earlier	Revised	Change
Net income	132,917	134,633	1.3%	156,975	160,112	2.0%	156,975	192,639	22.7%
PPOP	65,846	65,667	-0.3%	81,063	82,272	1.5%	81,063	104,529	28.9%
PAT	44,139	43,869	-0.6%	51,327	52,112	1.5%	51,327	63,454	23.6%
EPS (Rs)	18.1	18.0	-0.6%	21.1	21.4	1.5%	21.1	26.1	23.6%
BV (Rs)	136.2	137.9	1.3%	155.6	157.7	1.3%	155.6	181.8	16.8%

Source: Emkay Research

Exhibit 13: Key Assumptions

(%)	FY24A	FY25E	FY26E	FY27E
Loan Growth	20.0	18.1	19.0	20.0
Deposit Growth	18.3	21.1	20.0	20.4
NIM	3.1	3.1	3.1	3.2
GNPA	2.1	2.0	2.0	2.1
Credit Cost	0.1	0.3	0.5	0.6
NIM	3.1	3.1	3.1	3.2

Source: Emkay Research

Exhibit 14: Key ratios and trends

(Rs mn)	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	3QFY24	4QFY24	1QFY25
Loans	1,516,890	1,612,403	1,681,730	1,744,469	1,834,870	1,928,167	1,991,850	2,094,033	2,208,070
Growth YoY (%)	16.9	20.0	19.5	20.4	21.0	19.6	18.4	20.0	20.3
Growth QoQ (%)	4.7	6.3	4.3	3.7	5.2	5.1	3.3	5.1	5.4
Composition (%)									
- Corporate	35.6	35.9	36.3	36.2	36.0	34.7	35.5	34.6	34.2
- SME/BB	18.2	18.2	18.1	17.8	17.9	18.2	18.5	18.1	18.2
- Retail (inc. agri)	45.2	44.8	44.4	44.8	44.8	44.5	45.3	44.9	29.0
Liability Profile & Margin									
Deposit	1,833,550	1,891,457	2,014,080	2,133,860	2,224,960	2,328,684	2,395,910	2,525,340	2,660,650
Growth YoY (%)	8.2	10.0	14.8	17.4	21.3	23.1	19.0	18.3	19.6
Growth QoQ (%)	0.9	3.2	6.5	5.9	4.3	4.7	2.9	5.4	5.4
CASA (%)	36.8	36.4	34.2	32.7	31.8	31.2	30.6	29.4	29.3
CA (%)	6.2	6.9	6.5	6.7	6.4	6.7	6.4	6.0	6.2
SA (%)	30.7	29.5	27.8	26.0	25.5	24.4	24.3	23.3	23.1
Branches (No. of)	1,291	1,305	1,333	1,355	1,366	1,305	1,418	1,504	1,518
Asset Quality									
Gross NPA (Opening Balance)	41,358	41,548	40,308	41,478	41,838	44,348	44,360	46,290	45,290
Fresh Addition	4,630	3,900	4,120	4,540	5,010	3,730	4,960	3,710	4,240
Recovery	2,810	3,290	2,870	3,990	2,460	3,590	2,900	4,500	2,060
Write-off	1,630	1,850	80	190	50	130	130	210	90
Total Reduction	4,440	5,140	2,950	4,180	2,510	3,720	3,030	4,710	2,150
GNPA (Closing Balance)	41,553	40,311	41,479	41,838	44,348	44,360	46,288	45,289	47,380
NNPA	14,203	12,624	12,286	12,050	12,746	12,300	12,844	12,553	13,266
Restructured	39,000	38,920	37,350	34,730	34,050	33,310	31,010	28,540	31,550
Asset Quality (%)									
GNPA	2.7	2.5	2.4	2.4	2.4	2.3	2.3	2.1	2.1
NNPA	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6
PCR	65.8	68.7	70.4	71.2	71.3	72.3	72.3	72.3	72.0
Slippages	4,630	3,900	4,120	4,540	5,010	3,730	4,960	3,710	4,240
Annualized Slippages	1.4	1.2	1.2	1.3	1.3	0.9	1.2	0.9	0.9
Restructured	2.6	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.4
Capital Adequacy (%)									
CAR	14.6	13.8	13.4	14.8	14.3	15.5	15.0	16.1	15.6
Tier I	13.3	12.6	12.1	13.0	12.5	13.8	13.5	14.6	14.2
ROE Decomposition (%)									
NII	2.9	3.0	3.2	3.0	2.9	2.9	2.9	2.9	2.9
Other Income	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8
Treasury	0.0	0.1	(0.0)	0.3	0.3	0.1	0.3	0.2	0.3
Net income	3.7	4.1	4.1	4.1	4.0	4.0	4.1	3.9	4.0
Opex	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.4	2.1
PPOP	1.7	2.1	2.1	2.1	1.9	1.9	2.0	1.5	1.9
Provisions	0.3	0.5	0.3	0.2	0.2	0.1	0.2	(0.1)	0.2
PBT	1.4	1.6	1.8	1.9	1.7	1.8	1.8	1.6	1.7
Tax	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4
ROA	1.1	1.2	1.3	1.4	1.3	1.4	1.3	1.2	1.3
ROE	12.6	14.4	15.9	17.2	15.6	15.7	13.9	12.3	13.5

Source: Company, Emkay Research

Federal Bank: Standalone Financials and Valuations

Profit & Loss					
Y/E Mar (Rs mn)	FY23	FY24	FY25E	FY26E	FY27E
Interest Income	168,036	221,883	265,783	306,094	355,555
Interest Expense	95,715	138,948	168,022	188,989	213,262
Net interest income	72,322	82,935	97,761	117,105	142,293
NII growth (%)	21.3	14.7	17.9	19.8	21.5
Other income	23,300	30,793	36,873	43,007	50,346
Total Income	95,622	113,728	134,633	160,112	192,639
Operating expenses	47,678	61,983	68,967	77,840	88,110
PPOP	47,944	51,745	65,667	82,272	104,529
PPOP growth (%)	27.6	7.9	26.9	25.3	27.1
Core PPOP	47,647	45,525	58,514	74,046	95,481
Provisions & contingencies	7,499	1,961	6,978	12,510	19,584
PBT	40,445	49,784	58,688	69,762	84,945
Extraordinary items	0	0	0	0	0
Tax expense	10,339	12,578	14,819	17,650	21,491
Minority interest	0	0	0	0	0
Income from JV/Associates	0	0	0	0	0
Reported PAT	30,106	37,206	43,869	52,112	63,454
PAT growth (%)	59.3	23.6	17.9	18.8	21.8
Adjusted PAT	30,106	37,206	43,869	52,112	63,454
Diluted EPS (Rs)	14.0	16.1	17.7	21.1	25.7
Diluted EPS growth (%)	54.9	14.7	10.3	18.8	21.8
DPS (Rs)	1.0	1.3	1.4	1.6	2.0
Dividend payout (%)	7.0	7.9	7.8	7.5	7.7
Effective tax rate (%)	25.6	25.3	25.3	25.3	25.3
Net interest margins (%)	3.3	3.1	3.1	3.1	3.2
Cost-income ratio (%)	49.9	54.5	51.2	48.6	45.7
Shares outstanding (mn)	2,116.2	2,435.4	2,435.4	2,435.4	2,435.4

Source: Company, Emkay Research

Asset quality and other metrics					
Y/E Mar (Rs mn)	FY23	FY24	FY25E	FY26E	FY27E
Asset quality					
Gross NPLs	41,837.2	45,277.2	50,798.3	60,026.3	74,450.6
Net NPLs	12,050.1	12,541.8	14,223.5	17,407.6	22,335.2
GNPA ratio (%)	2.4	2.1	2.0	2.0	2.1
NNPA ratio (%)	0.7	0.6	0.6	0.6	0.6
Provision coverage (%)	71.2	72.3	72.0	71.0	70.0
Gross slippages	17,191.3	17,410.0	22,084.4	30,760.0	41,212.4
Gross slippage ratio (%)	1.2	1.0	0.9	1.0	1.2
LLP ratio (%)	0.9	0.5	0.1	0.3	0.5
NNPA to networth (%)	7.1	5.3	4.1	4.1	4.4
Capital adequacy					
Total CAR (%)	14.8	16.1	15.5	14.9	14.4
Tier-1 (%)	13.0	14.6	14.2	13.8	13.5
CET-1 (%)	13.0	14.9	14.5	14.0	13.6
RWA-to-Total Assets (%)	60.3	61.5	62.0	62.0	62.0
Miscellaneous					
Total income growth (%)	21.5	32.1	19.8	15.3	16.3
Opex growth (%)	11.1	30.0	11.3	12.9	13.2
Core PPOP growth (%)	37.9	(4.5)	28.5	26.5	28.9
PPOP margin (%)	25.1	20.5	21.7	23.6	25.8
PAT/PPOP (%)	62.8	71.9	66.8	63.3	60.7
LLP-to-Core PPOP (%)	15.7	4.3	11.9	16.9	20.5
Yield on advances (%)	8.5	9.3	9.3	9.1	8.9
Cost of funds (%)	4.5	5.5	5.7	5.3	5.0

Source: Company, Emkay Research

Balance Sheet					
Y/E Mar (Rs mn)	FY23	FY24	FY25E	FY26E	FY27E
Share capital	4,232	4,871	4,871	4,871	4,871
Reserves & surplus	208,714	286,074	331,115	379,330	437,913
Net worth	212,946	290,944	335,985	384,201	442,784
Deposits	2,133,860	2,525,340	3,057,022	3,668,427	4,418,385
Borrowings	193,193	180,264	172,248	179,863	195,855
Interest bearing liab.	2,327,053	2,705,604	3,229,271	3,848,290	4,614,240
Other liabilities & prov.	63,419	86,570	83,596	85,703	84,083
Total liabilities & equity	2,603,418	3,083,118	3,648,852	4,318,194	5,141,107
Net advances	1,744,469	2,094,033	2,473,012	2,943,790	3,531,575
Investments	489,833	608,595	720,610	853,644	1,017,969
Cash, other balances	176,887	189,629	226,049	257,835	299,926
Interest earning assets	2,411,189	2,892,258	3,419,671	4,055,270	4,849,470
Fixed assets	9,340	10,201	11,122	12,208	13,421
Other assets	182,889	180,660	218,058	250,716	278,216
Total assets	2,603,418	3,083,118	3,648,852	4,318,194	5,141,106
BVPS (Rs)	100.6	119.4	137.9	157.7	181.8
Adj. BVPS (Rs)	96.3	115.6	133.6	152.4	174.9
Gross advances	1,774,256	2,126,769	2,509,587	2,986,409	3,583,690
Credit to deposit (%)	81.8	82.9	80.9	80.2	79.9
CASA ratio (%)	32.9	29.4	27.7	27.7	27.9
Cost of deposits (%)	4.4	5.2	5.5	5.2	4.9
Loans-to-Assets (%)	67.0	67.9	67.8	68.2	68.7
Net advances growth (%)	20.4	20.0	18.1	19.0	20.0
Deposit growth (%)	17.4	18.3	21.1	20.0	20.4
Book value growth (%)	8.4	14.9	18.7	15.5	14.4

Source: Company, Emkay Research

Valuations and key Ratios					
Y/E Mar	FY23	FY24	FY25E	FY26E	FY27E
P/E (x)	13.2	12.3	10.4	8.8	7.2
P/B (x)	1.9	1.6	1.4	1.2	1.0
P/ABV (x)	1.9	1.6	1.4	1.2	1.1
P/PPOP (x)	8.2	8.8	6.9	5.5	4.3
Dividend yield (%)	0.5	0.6	0.7	0.8	1.0
DuPont-RoE split (%)					
NII/avg assets	3.0	2.9	2.9	2.9	3.0
Other income	1.0	1.1	1.1	1.1	1.1
Fee income	0.9	0.7	0.8	0.8	0.8
Opex	2.0	2.2	2.0	2.0	1.9
PPOP	2.0	1.8	2.0	2.1	2.2
Core PPOP	2.0	1.6	1.7	1.9	2.0
Provisions	0.3	0.1	0.2	0.3	0.4
Tax expense	0.4	0.4	0.4	0.4	0.5
RoA (%)	1.3	1.3	1.3	1.3	1.3
Leverage ratio (x)	12.1	11.3	10.7	11.1	11.4
RoE (%)	15.2	14.8	14.0	14.5	15.3
Quarterly data					
Rs mn, Y/E Mar	Q1FY24	Q2FY24	Q3FY24	Q4FY24	Q1FY25
NII	19,186	20,564	21,234	21,951	22,920
NIM(%)	3.2	3.2	3.2	3.2	3.2
PPOP	13,024	13,245	14,373	11,104	15,009
PAT	8,537	9,538	10,067	9,067	10,095
EPS (Rs)	4.03	4.50	4.75	4.28	4.76

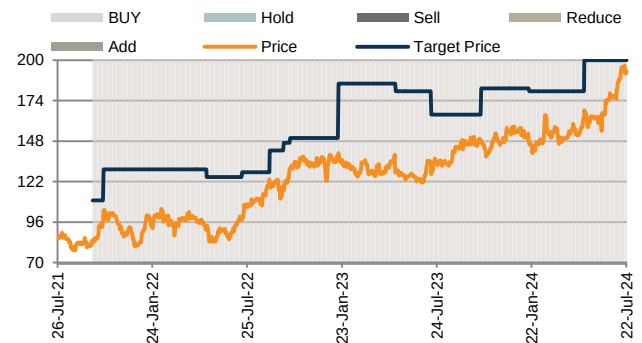
Source: Company, Emkay Research

RECOMMENDATION HISTORY - DETAILS

Date	Closing Price (INR)	TP (INR)	Rating	Analyst
02-May-24	168	200	Buy	Anand Dama
19-Feb-24	163	180	Buy	Anand Dama
17-Jan-24	146	180	Buy	Anand Dama
30-Nov-23	147	182	Buy	Anand Dama
17-Oct-23	148	182	Buy	Anand Dama
13-Jul-23	127	165	Buy	Anand Dama
06-May-23	128	180	Buy	Anand Dama
09-Mar-23	134	185	Buy	Anand Dama
01-Mar-23	134	185	Buy	Anand Dama
16-Jan-23	140	185	Buy	Anand Dama
15-Oct-22	130	150	Buy	Anand Dama
03-Oct-22	116	147	Buy	Anand Dama
06-Sep-22	121	142	Buy	Anand Dama
15-Jul-22	99	128	Buy	Anand Dama
08-May-22	91	125	Buy	Anand Dama
26-Jan-22	96	130	Buy	Anand Dama
22-Oct-21	104	130	Buy	Anand Dama
01-Oct-21	83	110	Buy	Anand Dama

Source: Company, Emkay Research

RECOMMENDATION HISTORY - TREND



Source: Company, Bloomberg, Emkay Research

GENERAL DISCLOSURE/DISCLAIMER BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL):

Emkay Global Financial Services Limited (CIN-L67120MH1995PLC084899) and its affiliates are a full-service, brokerage, investment banking, investment management and financing group. Emkay Global Financial Services Limited (EGFSL) along with its affiliates are participants in virtually all securities trading markets in India. EGFSL was established in 1995 and is one of India's leading brokerage and distribution house. EGFSL is a corporate trading member of BSE Limited (BSE), National Stock Exchange of India Limited (NSE), MCX Stock Exchange Limited (MCX-SX), Multi Commodity Exchange of India Ltd (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) (hereinafter referred to be as "Stock Exchange(s)"). EGFSL along with its [affiliates] offers the most comprehensive avenues for investments and is engaged in the businesses including stock broking (Institutional and retail), merchant banking, commodity broking, depository participant, portfolio management and services rendered in connection with distribution of primary market issues and financial products like mutual funds, fixed deposits. Details of associates are available on our website i.e. www.emkayglobal.com.

EGFSL is registered as Research Analyst with the Securities and Exchange Board of India ("SEBI") bearing registration Number INH000000354 as per SEBI (Research Analysts) Regulations, 2014. EGFSL hereby declares that it has not defaulted with any Stock Exchange nor its activities were suspended by any Stock Exchange with whom it is registered in last five years. However, SEBI and Stock Exchanges had conducted their routine inspection and based on their observations have issued advice letters or levied minor penalty on EGFSL for certain operational deviations in ordinary/routine course of business. EGFSL has not been debarred from doing business by any Stock Exchange / SEBI or any other authorities; nor has its certificate of registration been cancelled by SEBI at any point of time.

EGFSL offers research services to its existing clients as well as prospects. The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information herein is solely for informational purpose and shall not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Though disseminated to all the clients simultaneously, not all clients may receive this report at the same time. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient.

EGFSL and/or its affiliates may seek investment banking or other business from the company or companies that are the subject of this material. EGFSL may have issued or may issue other reports (on technical or fundamental analysis basis) of the same subject company that are inconsistent with and reach different conclusion from the information, recommendations or information presented in this report or are contrary to those contained in this report. Users of this report may visit www.emkayglobal.com to view all Research Reports of EGFSL. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the research published by any other analyst or by associate entities of EGFSL; our proprietary trading, investment businesses or other associate entities may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest including but not limited to those stated herein. Additionally, other important information regarding our relationships with the company or companies that are the subject of this material is provided herein. All material presented in this report, unless specifically indicated otherwise, is under copyright to Emkay. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied or distributed to any other party, without the prior express written permission of EGFSL. All trademarks, service marks and logos used in this report are trademarks or registered trademarks of EGFSL or its affiliates. The information contained herein is not intended for publication or distribution or circulation in any manner whatsoever and any unauthorized reading, dissemination, distribution or copying of this communication is prohibited unless otherwise expressly authorized. Please ensure that you have read "Risk Disclosure Document for Capital Market and Derivatives Segments" as prescribed by Securities and Exchange Board of India before investing in Indian Securities Market. In so far as this report includes current or historic information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed.

This report has not been reviewed or authorized by any regulatory authority. There is no planned schedule or frequency for updating research report relating to any issuer/subject company.

Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets.

Disclaimer for U.S. persons only: Research report is a product of Emkay Global Financial Services Ltd., under Marco Polo Securities 15a6 chaperone service, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of Financial Institutions Regulatory Authority (FINRA) or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor. In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors. Emkay Global Financial Services Ltd. has entered into a chaperoning agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer.

RESTRICTIONS ON DISTRIBUTION

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. Except otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions. Specifically, this document does not constitute an offer to or solicitation to any U.S. person for the purchase or sale of any financial instrument or as an official confirmation of any transaction to any U.S. person. Unless otherwise stated, this message should not be construed as official confirmation of any transaction. No part of this document may be distributed in Canada or used by private customers in United Kingdom.

ANALYST CERTIFICATION BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL)

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible of the content of this research report, in part or in whole, certifies that he or his associated persons¹ may have served as an officer, director or employee of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant). The research analyst(s) primarily responsible for the content of this research report or his associate may have Financial Interests² in relation to an issuer or a new listing applicant that the analyst reviews. EGFSL has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the EGFSL and procedures are in place to ensure that confidential information held by either the research or investment banking function is handled appropriately. There is no direct link of EGFSL compensation to any specific investment banking function of the EGFSL.

¹ An associated person is defined as (i) who reports directly or indirectly to such a research analyst in connection with the preparation of the reports; or (ii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

² Financial Interest is defined as interest that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at the arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL):

Disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) covered in this report:-

- EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her associate/relative's may have Financial Interest/proprietary positions in the securities recommended in this report as of July 24, 2024
- EGFSL, and/or Research Analyst does not market make in equity securities of the issuer(s) or company(ies) mentioned in this Report
Disclosure of previous investment recommendation produced:
- EGFSL may have published other investment recommendations in respect of the same securities / instruments recommended in this research report during the preceding 12 months. Please contact the primary analyst listed in the first page of this report to view previous investment recommendations published by EGFSL in the preceding 12 months.
- EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her relative's may have material conflict of interest in the securities recommended in this report as of July 24, 2024
- EGFSL, its affiliates and Research Analyst or his/her associate/relative's may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the July 24, 2024
- EGFSL or its associates may have managed or co-managed public offering of securities for the subject company in the past twelve months.
- EGFSL, its affiliates and Research Analyst or his/her associate may have received compensation in whatever form including compensation for investment banking or merchant banking or brokerage services or for products or services other than investment banking or merchant banking or brokerage services from securities recommended in this report (subject company) in the past 12 months.
- EGFSL, its affiliates and/or and Research Analyst or his/her associate may have received any compensation or other benefits from the subject company or third party in connection with this research report.

Emkay Rating Distribution

Ratings	Expected Return within the next 12-18 months.
BUY	>15% upside
ADD	5-15% upside
REDUCE	5% upside to 15% downside
SELL	<15% downside

Emkay Global Financial Services Ltd.

CIN - L67120MH1995PLC084899

7th Floor, The Ruby, Senapati Bapat Marg, Dadar - West, Mumbai - 400028. India
Tel: +91 22 66121212 Fax: +91 22 66121299 Web: www.emkayglobal.com

OTHER DISCLAIMERS AND DISCLOSURES:**Other disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) -:**

EGFSL or its associates may have financial interest in the subject company.

Research Analyst or his/her associate/relative's may have financial interest in the subject company.

EGFSL or its associates and Research Analyst or his/her associate/ relative's may have material conflict of interest in the subject company. The research Analyst or research entity (EGFSL) have not been engaged in market making activity for the subject company.

EGFSL or its associates may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of public appearance or publication of Research Report.

Research Analyst or his/her associate/relatives may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of public appearance or publication of Research Report.

Research Analyst may have served as an officer, director or employee of the subject company.

EGFSL or its affiliates may have received any compensation including for investment banking or merchant banking or brokerage services from the subject company in the past 12 months. . Emkay may have issued or may issue other reports that are inconsistent with and reach different conclusion from the information, recommendations or information presented in this report or are contrary to those contained in this report. Emkay Investors may visit www.emkayglobal.com to view all Research Reports. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the research published by any other analyst or by associate entities of Emkay; our proprietary trading, investment businesses or other associate entities may make investment decisions that are inconsistent with the recommendations expressed herein. EGFSL or its associates may have received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months. EGFSL or its associates may have received any compensation or other benefits from the Subject Company or third party in connection with the research report. EGFSL or its associates may have received compensation from the subject company in the past twelve months. Subject Company may have been client of EGFSL or its affiliates during twelve months preceding the date of distribution of the research report and EGFSL or its affiliates may have co-managed public offering of securities for the subject company in the past twelve months.