

CreditAccess Grameen

Estimate change

TP change

Rating change

Bloomberg	CREDAG IN
Equity Shares (m)	159
M.Cap.(INRb)/(USDb)	266.7 / 3.2
52-Week Range (INR)	1796 / 834
1, 6, 12 Rel. Per (%)	-1/19/64
12M Avg Val (INR M)	461

Financials & Valuations (INR b)

	•		
Y/E March	FY24E	FY25E	FY26E
NII	31.2	38.4	46.4
Total Income	34.3	41.8	50.2
PPoP	23.8	28.9	34.7
PAT	14.8	17.9	21.4
EPS (INR)	93	113	135
EPS Gr. (%)	79	21	20
BV (INR)	415	527	662
Ratios (%)			
NIM	14.4	14.1	13.9
C/I ratio	30.5	30.8	30.9
Credit cost	1.8	1.8	1.8
RoA	5.9	5.6	5.4
RoE	25.3	23.9	22.6
Valuations			
P/E (x)	18.1	14.9	12.5
P/BV (x)	4.1	3.2	2.5

Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	66.7	66.7	73.7
DII	15.8	15.8	12.6
FII	12.0	11.5	9.6
Others	5.6	11.8	4.2

FII Includes depository receipts

Please refer our thematic report on MFI: Unlocking growth; empowering lives!



CMP: INR1,675 TP: INR1,985 (+18%)

Earnings in line; higher credit costs offset by lower opex

NIM stable QoQ, but asset quality deteriorates due to TN floods

- CreditAccess Grameen (CREDAG) delivered a healthy operational performance in 3QFY24, with ~64% YoY growth in PAT to ~INR3.5b. NII jumped 49% YoY to ~INR8b, with a stable NIM (reported) of ~13.1%.
- PPoP grew 59% YoY to ~INR6b, with scale benefits and positive operating leverage resulting in a cost-income ratio (CIR) of ~30% (PY: ~36%). Even with ~50bp reduction in lending rates from Dec'23 onwards, management maintained its NIM guidance of 12.7-12.8% and CIR of 31-32%. We model NIM (calc.) and CIR of ~14.1% and ~31%, respectively, in FY25E.
- Implementation of the Core Banking Solution (CBS) impacted hurt disbursements and customer acquisition in 3QFY24 resulting in customer acquisitions of ~270K (PQ: ~330K). Disbursements were affected in Nov'23 but exhibited a robust recovery in Dec'23.
- GNPA/NNPA deteriorated ~20bp/5bp QoQ to ~0.97%/~0.3% due to floods in Tamil Nadu and higher steady-state PAR from non-Karnataka states. This also led to annualized credit costs rising ~45bp QoQ to 2.3% (PQ: 1.8% and PY: 2.2%).
- We estimate a CAGR of 24%/37% in AUM/PAT over FY23-FY26, leading to an RoA/RoE of ~5.4%/23% in FY26. Despite cyclical tailwinds, the upcoming general election this year is a near-term risk for the sector. We strongly believe that the magnitude and frequency of loan waivers (if any) will be much lower than in the past.
- While the current valuation of 2.5x Mar'26E P/BV is not inexpensive, CREDAG will continue to deliver robust return ratios, aided by a strong underlying business model. We reiterate our BUY rating with a revised TP of INR1,985 (based on a target multiple of 3.0x Mar'26E P/BV).

Highlights from the management commentary

- Management guided that the CoB has peaked out and will remain stable in the near term.
- The company reiterated its FY24 AUM growth guidance of 25%. It does not expect to raise equity capital for 2-3 years and will go for a capital raise when the CRAR is below 20%.

Valuation and view

- CREDAG is primed to dominate the segment by: a) providing the lowestcost organized financing, b) improving operational efficiency through continuous technology enhancement, and c) integrating risk management in every process to drive superior asset quality and lower credit costs.
- CREDAG's robust execution has been vindicated by its resilience across various credit cycles and external disturbances. With a strong capital position (Tier-1 of ~24%), the company can very well navigate any potential disruptions in the future and also capitalize on the growth opportunity over the medium term. Reiterate our BUY rating on the stock with a revised TP of INR1,985 (based on 3.0x Mar'26 P/BV).

Abhijit Tibrewal - Research Analyst (Abhijit.Tibrewal@MotilalOswal.com)

Research Analyst: Nitin Aggarwal (Nitin.Aggarwal@MotilalOswal.com) | Gautam Rawtani (Gautam.Rawtani@MotilalOswal.com)

CREDAG: Quarterly Performance	9											(INR m)
Y/E March		FY2	23			FY	24		FY23	FY24E	3QFY24E	u/c Ect
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	F123	FIZ4E	3QF124E	V/S ESt.
Interest Income	7,363	7,713	8,548	9,648	11,052	11,874	12,444	13,168	33,271	48,537	12,510	-1
Interest Expenses	2,798	2,732	3,142	3,456	3,849	4,239	4,415	4,849	12,129	17,352	4,641	-5
Net Interest Income	4,565	4,981	5,406	6,192	7,203	7,635	8,029	8,319	21,143	31,185	7,869	2
YoY Growth (%)	35.1	35.1	31.2	34.2	57.8	53.3	48.5	34.4	33.5	47.5	45.6	
Other Income	233	434	540	1,015	656	602	509	1,322	2,237	3,088	499	2
Total Income	4,798	5,415	5,946	7,206	7,858	8,237	8,537	9,641	23,379	34,274	8,368	2
YoY Growth (%)	30.4	38.9	32.0	29.3	63.8	52.1	43.6	33.8	32.4	46.6	40.7	
Operating Expenses	1,909	2,067	2,160	2,177	2,420	2,611	2,520	2,916	8,315	10,464	2,733	-8
Operating Profit	2,889	3,348	3,785	5,029	5,438	5,626	6,018	6,725	15,064	23,810	5,634	7
YoY Growth (%)	33.5	53	38	36	88	68	59	34	40	58	49	
Provisions & Loan Losses	1,009	1,054	894	1,053	764	959	1,262	954	4,010	3,939	963	31
Profit before Tax	1,880	2,294	2,891	3,976	4,674	4,668	4,756	5,771	11,054	19,871	4,671	2
Tax Provisions	493	529	733	1,010	1,189	1,197	1,222	1,458	2,794	5,067	1,191	3
Net Profit	1,387	1,766	2,158	2,966	3,485	3,470	3,533	4,312	8,261	14,804	3,480	2
YoY Growth (%)	583.6	196.5	84.5	85.3	151.3	96.6	63.7	45.4	131.5	79.2	61.2	
AUM Growth (%)	23.3	24.0	21.9	26.7	39.7	36.0	31.5	26.2	29.0	27.7	32.6	
NIM (%)	11.3	12.4	12.6	12.8	13.4	13.8	14.0	13.3	12.5	14.4	13.7	
Cost to Income Ratio (%)	39.8	38.2	36.3	30.2	30.8	31.7	29.5	30.2	35.6	30.5	32.7	
Tax Rate (%)	26.2	23.0	25.3	25.4	25.4	25.7	25.7	25.3	25.3	25.5	25.5	
Key Parameters (%)												
Yield on loans	18.4	19.1	19.6	19.7	20.7	21.1	21.0					
Cost of funds	9.1	9.2	9.6	9.5	9.6	9.8	9.8					
Spread	9.3	9.9	10.0	10.2	11.1	11.3	11.2					
NIM	11.1	12.0	11.9	12.2	13.0	13.1	13.1					
Credit cost	2.5	2.6	2.1	2.2	1.4	1.7	2.2					
Cost to Income Ratio (%)	39.8	38.2	36.3	30.2	30.8	31.7	29.5					
Tax Rate (%)	26.2	23.0	25.3	25.4	25.4	25.7	25.7					
Performance ratios (%)												
GLP/Branch (INR m)	93	98	103	118	119	120	123					
GLP/Loan Officer (INR m)	14.8	15.3	15.0	18.3	18.1	16.9	17.9					
Borrowers/Branch	2,195	2,255	2,281	2,387	2,422	2,452	2,478					
Borrowers/Loan Officer	349	351	333	371	367	345	360					
Balance Sheet Parameters												
Gross Ioan portfolio (INR B)	156.2	165.4	177.9	210.3	218.1	224.9	233.8	265.4	210.3	265.4		
Change YoY (%)	23.3	24.0	21.9	26.7	39.7	36.0	31.5	26.2	26.7	26.2		
Disbursements (INR B)	24.2	43.8	48.5	71.7	47.7	49.7	53.4	84.3	188.1	235.1		
Change YoY (%)	126.9	12.5	2.7	23.8	97.5	13.5	10.3	17.6	21.6	25.0		
Borrowings (INR B)	118.8	123.1	135.7	164.1	168.2	177.6	190.7	211.7				
Change YoY (%)	21.5	22.4	18.5	27.0	41.6	44.3	40.5	29.0				
Borrowings/Loans (%)	84.0	81.0	82.8	86.2	84.9	85.0	86.3	88.2				
Debt/Equity (x)	2.9	2.8	3.0	3.2	3.1	3.1	3.1	3.2				
Asset Quality (%)												
GS 3 (INR M)	4,584	3,400	2,887	2,368	1,817	1,657	2,197					
G3 %	3.1	2.2	1.7	1.2	0.9	0.8	1.0					
NS 3 (INR M)	1,667	1,187	985	812	552	509	650					
NS3 %	1.2	0.8	0.6	0.4	0.3	0.2	0.3					
PCR (%)	63.6	65.1	65.9	65.7	69.6	69.3	70.4					
ECL (%)	3.0	2.3	1.9	0.0	1.6	1.6	1.8					
	0.0	5		0.0								
Return Ratios - YTD (%)	2 1	4.0	16	ЕГ	ΕO	E 6	.					
ROA (Rep)	3.1	4.0	4.6	5.5	5.8 26.4	5.6	5.5					
ROE (Rep)	13.4	16.1	18.8	24.0	26.4	24.7	23.6					

ROE (Rep) E: MOFSL Estimates

MOTILAL OSWAL

Disbursements hit by CBS upgrade, but strong recovery from Dec'23

- Disbursements in 3QFY24 grew 10% YoY to INR53.4b (PY: INR48b; PQ: ~INR49b). Disbursements in Nov'24 were temporarily affected for 2-3 weeks because of the CBS upgrade but recovered strongly in Dec'23.
- GLP grew 32% YoY and ~4% QoQ to ~INR234b. We model ~26% YoY growth in GLP to ~INR265b by Mar'24.
- CREDAG remains focused on new customer acquisitions, with ~19% YoY growth in the borrower base to 4.7m (PY: 3.9m). In 3QFY24, the company added ~17 new branches, out of which 13 were added outside its top three states. The number of total loan officers decreased by 280 to ~13K, resulting in the borrower per loan officer increasing to 360 (PQ: 345).

Spreads moderate ~10bp QoQ, driven by a decline in lending yields

- Reported blended yields declined ~10bp QoQ to 21%, while CoF remained stable QoQ at 9.8%, leading to ~10bp decline in spreads to ~11.2%.
- Yield decline was attributable to CREDAG having lowered its lending rates by ~50bp in both MFI and retail finance in Dec'23 and Jan'24. CREDAG has a Board-approved pricing policy, and the lending rate reduction was driven by consistent improvement in operating efficiency and the anticipation of a stable cost of borrowing from 4QFY24 onwards (following its peak in 2Q/3QFY24).
- Despite the ~50bp reduction in lending rates, the company does not foresee any significant impact on NIM or return ratios due to: a) the gradual impact of revised pricing on portfolio yield over the next 18-20 months, and b) robust control over borrowing costs via a diversified liability profile and ongoing access to PSL-linked funds. We model NIM (calc.) of 14.4%/14.1%/13.9% in FY24/FY25/ FY26.

Asset quality deteriorates due to seasoning of non-KAR portfolio and TN floods

- GNPA/NNPA deteriorated ~20bp/5bp QoQ to ~0.97%/~0.3% due to floods in Tamil Nadu and higher steady-state PAR from non-Karnataka states. PCR rose ~1pp QoQ to ~70.4%.
- PAR 30+ rose ~30bp QoQ to 1.2% and PAR 0+ rose ~50bp QoQ to 1.8%. TN floods resulted in PAR 0 increasing by 0.2%. PAR 0 in flood-impacted TN continued to decline and the management shared that it expects PAR to revert to normalcy from 4Q onwards.
- Gross collection efficiency (excluding arrears) stood at 98.3%.
- Fresh PAR accretion of 1.2% (annualized: 1.6%) during 9MFY23 is within the range guided by the management.



Highlights from the management commentary

Business update and financial performance

- Successfully completed the core banking system upgrade; business momentum was temporarily affected for 2-3 weeks because of the CBS upgrade.
- Got a credit rating upgrade to AA- from CRISIL in Nov'23 while Ind-Ra and ICRA already had an AA- rating on CREDAG.
- Customer base grew 19% YoY while AUM jumped ~31% YoY
- Opex-to-AUM stood at 4.4%
- CE (excl. arrears) stood at 98.3% (PQ: 98.7%). PAR 90+ stood at 0.75% (PQ: 0.6%)
 while PAR 30+ stood at 1.2% (PQ: 0.9%)
- RoA/RoE stood at 5.5%/23.6% (PQ: 5.6%/24.7%) in 3QFY24.

Guidance

- Guided that the CoB has peaked out and will remain stable in the near-term
- Opex-to-AUM was in the range of 4.5-4.6% and cost-to-income ratio was at 31 32%
- The company reiterated its FY24 AUM growth guidance of 25%

Equity Raise

It does not expect to raise equity capital for 2-3 years and will raise equity capital when CRAR is below 20%

Asset Quality

- Fresh PAR accretion of 1.2% (1.6% annualized) during Mar-23 to Dec-23 is within the guided range
- Sep-23 to Dec-23 PAR increase is primarily driven by a) business as usual PAR accretion due to seasonality, b) higher steady-state PAR outside Karnataka (Karnataka PAR 0+ is 1.0%) and c) TN flood impact
- PAR in flood-impacted TN continues to decline
- Expects PAR to revert to normalcy from 4Q onwards and remain within the guided ranged
- Slightly higher PAR in parts of Northern Gujarat, and Rajasthan was a bit of an aberration.

NIM

- CRED reduced its lending rates by ~50bp in both MFI and Retail Finance.
- Drivers for rate reduction were: a) consistent improvement in operating efficiency, b) cost of borrowing having peaked out in 2Q/3QFY24 and is anticipated to remain stable from 4QFY24 onwards
- Does not anticipate any change in its NIM and return ratios guidance because of the ~50bp reduction in the lending rates since a) full impact of the revised pricing on the portfolio yield will be gradual over the coming 18-20 months, and b) strong control on the cost of borrowing on the back of a diversified liability profile and continued access to PSL-linked funds

MOTILAL OSWAL

Branch additions

Most of the branch additions have been outside the Top-3 states. Within its Top-3 states, the branch expansions have predominantly come from splitting the branches.

Liabilities

- Marginal CoB is broadly stable and the bank borrowings have declined from 53% to 50%. Bank borrowings will continue to decline towards ~45% in the near-to-medium term. However, bank borrowings will increase in 4Q since it is planning to drawdown all the undrawn bank sanctions.
- The marginal CoB from banks was 9.4-9.5% and from DFI was 9.3-9.5%

Retail Finance

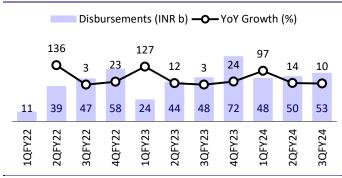
- Total Retail Finance was ~2%, o/w ~80% were unsecured loans and ~20% were secured loans.
- LAP ATS was ~INR550K and as the proportion of LAP increases, the ATS in retail finance will increase.
- Medium-term guidance of ~12-15% of the GLP mix from Retail Finance and ~6-7% by FY26/FY27.
- Attrition of customers who do not want a new loan or customers which CREDAG does not want to retain is 8-10% and 4-5% because the company did not have a product to retain them.
- Retail products have been launched to stem customer attrition who move out because of their need for a higher-ticket loan.

Others

- Customer acquisition of ~330K in 2QFY24 and ~270K in 3QFY24. 3Q customer acquisition impacted by implementation of CBS.
- It will take 2-3 quarters for the benefits of the CBS upgrade to start showing up.
- CREDAG has a Board-approved pricing policy in place which is reviewed every quarter. Pricing depends on credit costs, funding costs and capital costs.
- Customers unique to CREADAG stood at 33-34%. If it attracts customers from other MFIs, the unique customers will come down. But over a course of time, many customers become unique to CREDAG.

Key exhibits

Exhibit 1: Disbursements grew 10% YoY...



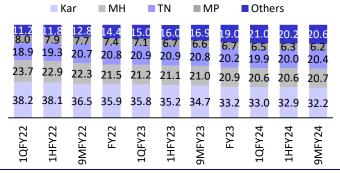
Sources: MOFSL, Company

Exhibit 2: ...driving GLP growth of 31% YoY



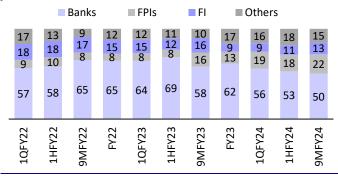
Sources: MOFSL, Company

Exhibit 3: Concentration of the top three states in AUM remained stable



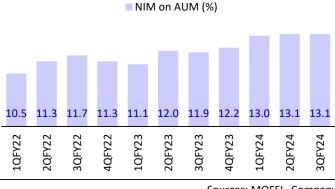
Sources: MOFSL, Company

Exhibit 4: Proportion of foreign borrowings has risen, while it declined for bank term loans



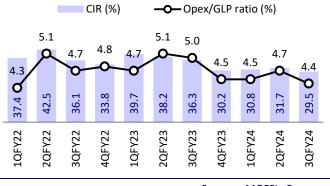
Sources: MOFSL, Company

Exhibit 5: Reported NIM stable QoQ (%)



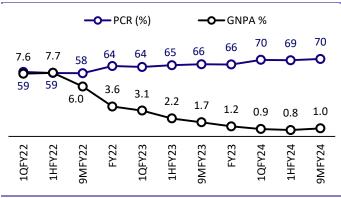
Sources: MOFSL, Company

Exhibit 6: C/I ratio declined sequentially to ~29.5%



Sources: MOFSL, Company

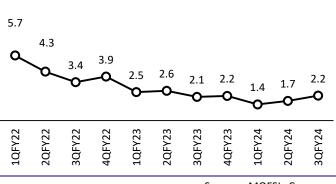
Exhibit 7: GNPA stood at ~1% as of Dec'23



Sources: MOFSL, Company

Exhibit 8: Credit cost increased sequentially by ~50bp

—O— Credit costs (%)



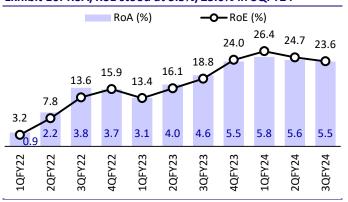
Sources: MOFSL, Company

 $Motilal\ Oswal$

Exhibit 9: PAT grew ~64% YoY in 3QFY24

PAT (INR m) **—O—** YoY Growth (%) 584 3.5 3.5 3.5 3.0 2.2 96 151 97 85 85 64 1.2 1.6 0.2 0.6 O 3QFY22 4QFY22 1QFY23 3QFY24 2QFY22 3QFY23 2QFY24 1QFY24

Exhibit 10: RoA/RoE stood at 5.5%/23.6% in 3QFY24



Sources: MOFSL, Company

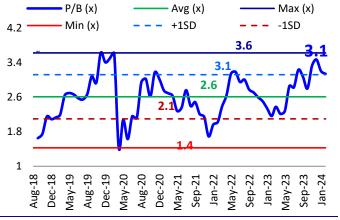
Exhibit 11: Estimates largely unchanged

IND D	Old Est. New E			New Est.			% change		
INR B	FY24	FY25	FY26	FY24	FY25	FY26	FY24	FY25	FY26
NII	31	38.8	46.8	31.2	38.4	46.4	0.6	-0.9	-1
Other Income	3.1	3.4	3.9	3.1	3.4	3.8	-0.2	-0.5	-0.7
Total Income	34.1	42.2	50.7	34.3	41.8	50.2	0.6	-0.9	-1
Operating Expenses	10.6	13.1	15.8	10.5	12.9	15.5	-1.7	-1.7	-1.7
Operating Profits	23.4	29.1	34.9	23.8	28.9	34.7	1.6	-0.5	-0.6
Provisions	3.7	4.9	6	3.9	4.9	6	7.3	-0.2	-0.2
РВТ	19.8	24.2	28.9	19.9	24	28.7	0.5	-0.6	-0.7
Tax	5	6.2	7.4	5.1	6.1	7.3	0.5	-0.6	-0.7
PAT	14.7	18	21.6	14.8	17.9	21.4	0.5	-0.6	-0.7
AUM	265	330	404	265	330	404			
Borrowings	212	266	322	212	266	322			
RoA	5.9	5.6	5.5	5.9	5.6	5.4			
RoE	25.2	24.1	22.8	25.3	23.9	22.6			

Sources: MOFSL, Company

Sources: MOFSL, Company

Exhibit 12: One-year forward P/B



Source: MOFSL, Company

Exhibit 13: One-year forward P/E



Source: MOFSL, Company

Financials and valuations

Income Statement					(INR m)
Y/E March	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	25,673	33,271	48,537	60,348	73,080
Interest Expended	9,841	12,129	17,352	21,953	26,719
Net Interest Income	15,832	21,143	31,185	38,396	46,362
Change (%)	16.3	33.5	47.5	23.1	20.7
Other Income	1,825	2,237	3,088	3,393	3,825
Net Income	17,657	23,379	34,274	41,788	50,187
Change (%)	14.9	32.4	46.6	21.9	20.1
Operating Expenses	6,885	8,315	10,464	12,863	15,489
Operating Income	10,772	15,064	23,810	28,926	34,698
Change (%)	13.2	39.8	58.1	21.5	20.0
Provisions and W/Offs	5,968	4,010	3,939	4,904	5,982
PBT	4,805	11,054	19,871	24,022	28,716
Tax	1,237	2,794	5,067	6,126	7,323
Tax Rate (%)	25.7	25.3	25.5	25.5	25.5
PAT	3,568	8,261	14,804	17,896	21,393
Change (%)	171.7	131.5	79.2	20.9	19.5
Proposed Dividend (Incl Tax)	0	0	0	0	0

Balance Sheet					(INR m)
Y/E March	FY22	FY23	FY24E	FY25E	FY26E
Equity Share Capital	1,559	1,589	1,589	1,589	1,589
Reserves & Surplus	38,218	49,481	64,284	82,181	1,03,574
Net Worth	39,777	51,070	65,874	83,770	1,05,163
Borrowings	1,29,207	1,63,123	2,11,650	2,65,583	3,21,641
Change (%)	18.1	26.2	29.7	25.5	21.1
Other liabilities	4,964	4,389	5,230	6,235	7,438
Total Liabilities	1,73,948	2,18,581	2,82,753	3,55,588	4,34,243
Cash and bank balances	17,614	14,364	23,322	34,599	45,582
Loans and Advances	1,47,653	1,90,433	2,43,276	3,01,798	3,65,501
Change (%)	26.0	29.0	27.7	24.1	21.1
Fixed Assets	5,739	968	1,162	1,394	1,673
Investments	5	4,545	5,909	7,681	9,986
Intangible Assets	4,673	5,061	5,061	5,061	5,061
Other Assets	2,937	3,208	4,023	5,054	6,439
Total Assets	1,73,942	2,18,581	2,82,753	3,55,588	4,34,243

E: MOFSL Estimates

Financials and valuations

Ratios						(%)
AUM and Disbursements (INR m)		FY22	FY23	FY24E	FY25E	FY26E
	Source:	1,65,990	2,10,320	2,65,399	3,29,604	4,03,557
YoY growth (%)		22.2	26.7	26.2	24.2	22.4
Disbursements		1,54,670	1,88,090	2,35,113	2,84,486	3,44,228
YoY growth (%)		40.5	21.6	25.0	21.0	21.0
Ratios						(%)
Y/E March		FY22	FY23	FY24E	FY25E	FY26E
Spreads Analysis (%)						
Yield on Portfolio		19.2	19.4	22.0	21.8	21.6
Cost of Borrowings		8.2	8.3	9.3	9.2	9.1
Interest Spread		11.0	11.1	12.8	12.6	12.5
Net Interest Margin		12.0	12.5	14.4	14.1	13.9
Profitability Ratios (%)						
RoE		9.3	18.2	25.3	23.9	22.6
RoA (on balance sheet)		2.2	4.2	5.9	5.6	5.4
Debt: Equity (x)		3.2	3.2	3.2	3.2	3.1
Leverage (x)		4.2	4.3	4.3	4.2	4.1
Efficiency Ratios (%)						
Int. Expended/Int. Earned		38.3	36.5	35.7	36.4	36.6
Op. Exps./Net Income		39.0	35.6	30.5	30.8	30.9
Empl. Cost/Op. Exps.		63.6	62.0	62.5	62.1	61.8
Other Income/Net Income		10.3	9.6	9.0	8.1	7.6
Asset quality						
GNPA		5,587	2,368	1,833	1,849	2,232
NNPA		1,974	812	458	407	446
GNPA %		3.7	1.2	0.7	0.6	0.6
NNPA %		1.3	0.4	0.2	0.1	0.1
PCR %		64.7	65.7	75.0	78.0	80.0
Valuation		FY22	FY23	FY24E	FY25E	FY26E
Book Value (INR)		255	321	415	527	662
BV Growth (%)		7.5	25.9	29.0	27.2	25.5
Price-BV (x)		6.6	5.2	4.1	3.2	2.5
EPS (INR)		22.9	52.0	93.2	112.6	134.6
EPS Growth (%)		171.2	127.1	79.2	20.9	19.5
Price-Earnings (x)		73.5	32.4	18.1	14.9	12.5
Dividend per share		0.0	0.0	0.0	0.0	0.0
Dividend Yield (%)		0.0	0.0	0.0	0.0	0.0
F: MOFSI Estimates				<u> </u>	<u> </u>	

E: MOFSL Estimates

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

NOTES

Explanation of Investment Rating					
Investment Rating	Expected return (over 12-month)				
BUY	>=15%				
SELL	<-10%				
NEUTRAL	< - 10 % to 15%				
UNDER REVIEW	Rating may undergo a change				
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation				

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOFSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at

http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, www.nseindi from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company

 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

11 20 January 2024

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may 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. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. 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. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed 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, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

This report is meant for the clients of Motilal Oswal only.

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. Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No:022-40548085. Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com
Mr. Ajay Menon	022 40548083	1 0 111 11 11

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance. Bond. NCDs and IPO products.

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.