HOLD Union Bank of India

Sub-par growth, but margins expand

BFSI - Banks > Result Update > October 29, 2023



TARGET PRICE (Rs): 105

Union Bank continued to report sub-par credit growth, at 10% YoY, but better loan yields led to sustained margin expansion for the 2nd quarter in a row to 3.18% (up by 5bps QoQ). This, coupled with lower provisions, led to a strong 6% beat on our PAT at Rs35bn (up 90% YoY). Given its healthy capital (CET 1 at 13% after a capital raise in a 3rd attempt), we believe Bank should accelerate loan growth, while staying focused on containing margin slippage. Bank has been exhibiting strong control on the asset quality front with GNPA ratio sharply improving by 97bps QoQ to 6.4% due to a combination of lower slippages and higher w-offs. That said, Bank still has a higher restructured pool at 1.7% which it should aim to run off at the earliest.

We hoist up FY24-26E earnings by 8-11% and expect the bank to deliver healthy RoA/RoE of 1%/15-17%. Currently, we maintain a HOLD on the stock and value it at 0.8x Sep-25E P/ABV, with new TP of Rs105/sh (Rs95 earlier). Our preferred picks in midcap PSB space remain Indian Bank and Canara Bank.

Union Bank of India: Financial Snapshot (Standalone)										
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E					
Net profit	52,321	84,333	1,38,644	1,53,374	1,61,382					
Loan growth (%)	11.8	15.3	12.6	13.3	13.9					
NII growth (%)	12.5	17.9	11.1	6.4	9.3					
NIM (%)	2.7	2.8	2.9	2.8	2.7					
PPOP growth (%)	11.2	16.4	12.6	(0.8)	5.2					
Adj. EPS (Rs)	7.9	12.3	19.5	20.7	21.8					
Adj. EPS growth (%)	33.7	56.1	57.7	6.3	5.2					
Adj. BV (INR)	75.2	93.2	115.5	126.8	143.7					
Adj. BVPS growth (%)	12.2	27.9	19.1	14.2	13.4					
RoA (%)	0.5	0.7	1.0	1.0	1.0					
RoE (%)	8.3	12.2	17.3	16.3	15.1					
P/E (x)	12.6	8.1	5.1	4.8	4.6					
P/ABV (x)	1.4	1.1	0.9	0.8	0.7					

Source: Company, Emkay Research

Growth remains sub-par, but NIM expands owing to better loan yields

Union Bank continues to report sub-par credit growth at 10% YoY/4% QoQ due to slower growth across business segments, more so in the corporate book. Bank has revamped its retail banking division, the benefit of which in terms of growth is yet to be seen. Deposit growth too remains moderate, at 9% YoY/1% QoQ, with CASA at 34%. However, NIM continued to expand for the second quarter in a row at 5bps QoQ to 3.2%, while most PSBs report marginal contraction during 2Q. With strong capital on its side (CET 1 at 13% after a capital raise in a 3rd attempt), we believe the bank should accelerate loan growth, while remaining focused on containing margin slippage.

Lower slippages + higher write-offs led to sharp decline in GNPA ratio

Bank has seen steady moderation in gross slippage – Rs26bn/1.4% of loans which, coupled with its strategy to accelerate w-offs, led to 97bps QoQ decline in GNPA ratio to 6.4%. Bank has steadily increased its specific PCR to 81% and intends to bring down the NNPA ratio, from the current 1.3% to <1%, led by continued reduction in GNPA ratio and improving PCR, which should keep LLP slightly elevated. That said, the bank still has a higher restructured pool at 1.7% and should look to run it off at the earliest.

We retain HOLD with revised TP of Rs105/share

We have revised our earnings upwards by 8-11% for FY24-26E and expect the bank to deliver healthy RoA/RoE of 1%/15-17%, respectively. Currently, we maintain a HOLD rating on the stock and value it at 0.8x Sep-25E P/ABV, with revised TP of Rs105/share (vs Rs95 earlier). Our preferred picks in the mid-cap PSB space remain Indian Bank and Canara Bank. Key risks for Union Bank: Emerging asset-quality risk in the SME space and further moderation in growth as macros deteriorate.

Target Price – 12M	Sep-24
Change in TP (%)	11%
Current Reco.	HOLD
Previous Reco.	HOLD
Upside/(Downside) (%)	5.1
CMP (27-Oct-23) (Rs)	99.9

Stock Data	Ticker
52-week High (Rs)	113
52-week Low (Rs)	51
Shares outstanding (mn)	7,412.4
Market-cap (Rs bn)	741
Market-cap (USD mn)	8,895
Net-debt, FY24E (Rs mn)	NA
ADTV-3M (mn shares)	31
ADTV-3M (Rs mn)	2,962.0
ADTV-3M (USD mn)	35.6
Free float (%)	17.0
Nifty-50	19,047
INR/USD	83.2
Shareholding, Sep-23	
Promoters (%)	77.0
FPIs/MFs (%)	2.9/12.7

Price Performance								
(%)	1M	3M	12M					
Absolute	(2.4)	8.5	88.8					
Rel. to Nifty	1.0	12.0	75.9					



Anand Dama

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

Kunaal N

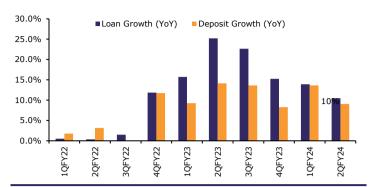
kunaal.n@emkayglobal.com +91 22 6612 1275

Marazbaan Dastur

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

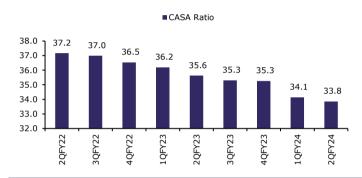
Story in Charts

Exhibit 1: Sub-par credit and deposit growth



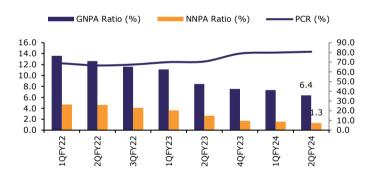
Source: Company, Emkay Research

Exhibit 3: CASA ratio slips further by ~30bps



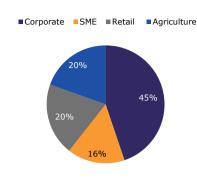
Source: Company, Emkay Research

Exhibit 5: Higher write-off and contained slippages led to a sharp fall in GNPA/NNPA ratios



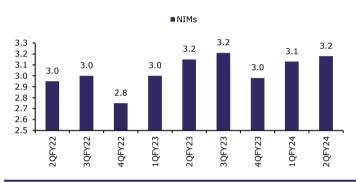
Source: Company, Emkay Research

Exhibit 2: RAM book expanding to 55% of the total loan portfolio



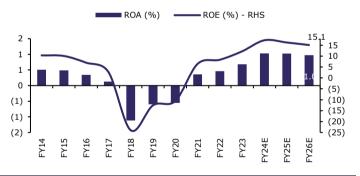
Source: Company, Emkay Research

Exhibit 4: NIMs see improvement for yet another quarter, driven by better loan yields



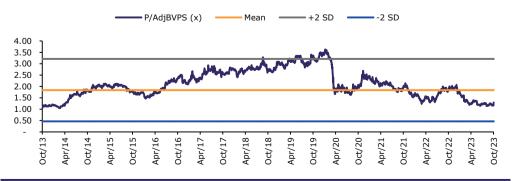
Source: Company, Emkay Research

Exhibit 6: We expect the bank to deliver healthy RoA/RoE of 1%/15-17%, respectively



Source: Company, Emkay Research

Exhibit 7: The stock trades at 0.8x Sep-25E P/ABV



Source: Bloomberg, Emkay Research

Exhibit 8: Actuals vs Estimates (Q2FY24)

Rs mn Actuals		Estima	tes	Var	iation	Comments
K5 IIII	Actuals	Emkay	Consensus	Emkay	Consensus	
Net income	1,28,212	1,21,913	1,19,837	5%	7%	Higher NII & other income led to a beat
PPOP	72,208	63,541	65,617	14%	10%	Lower opex led to beat on PPOP
PAT	35,114	33,277	24,238	6%	45%	Lower provisioning partly offset by higher tax expenses led to a beat on PAT

Source: Company, Emkay Research

Exhibit 9: Quarterly Summary

Rs mn	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	YoY (%)	QoQ (%)	FY23	FY24E	YoY (%)
Interest Earned	1,96,817	2,08,829	2,20,045	2,34,779	2,45,870	25	5	8,07,433	9,97,605	24
Interest Exp	1,13,767	1,22,548	1,37,540	1,46,382	1,54,609	36	6	4,79,780	6,33,503	32
Net Interest Income	83,050	86,281	82,506	88,397	91,261	10	3	3,27,653	3,64,102	11
Global NIMs (reported)	3.15	3.21	2.98	3.13	3.18	3bps	5bps	2.84	2.88	4bps
Non-interest Income	32,763	32,708	52,692	39,033	36,952	13	-5	1,46,332	1,57,047	7
Operating Expenses	50,042	52,798	66,964	55,637	56,004	12	1	2,19,313	2,34,274	7
Pre Provisioning Profit	65,771	66,192	68,234	71,793	72,208	10	1	2,54,672	2,86,875	13
Provision & Contingencies	40,768	30,359	29,356	20,050	17,679	-57	-12	1,33,294	76,809	-42
PBT	25,003	35,832	38,878	51,743	54,530	118	5	1,21,377	2,10,066	73
Income Tax Expense (Gain)	6,526	13,384	11,055	19,379	19,416	198	0	37,045	71,423	93
Net Profit/(Loss)	18,477	22,448	27,823	32,364	35,114	90	8	84,333	1,38,644	64
Gross NPA (%)	8.45	7.93	7.53	7.34	6.38	-208bps	-97bps	7.53	5.60	-193bps
Net NPA (%)	2.64	2.14	1.70	1.58	1.30	-134bps	-28bps	1.70	1.06	-64bps
Deposits (Rs in bn)	10,433	10,650	11,177	11,281	11,376	9	5	11,177	12,187	9
Net Advances (Rs in bn)	7,275	7,564	7,618	7,705	8,036	10	1	7,618	8,577	13

Source: Company, Emkay Research

Exhibit 10: Revision in Estimates

Y/E Mar (Rs mn)		FY24E			FY25E			FY26E		
T/E Mar (KS mn)	Earlier	Revised	Change	Earlier	Revised	Change	Introduced	Revised	Change	
Net income	4,96,742	5,21,149	5%	5,33,183	5,39,742	1%	5,77,554	5,77,670	0%	
PPOP	2,56,974	2,86,875	12%	2,67,511	2,84,493	6%	2,85,009	2,99,370	5%	
PAT	1,24,595	1,38,644	11%	1,41,580	1,53,374	8%	1,48,568	1,61,382	9%	
EPS (Rs)	17.5	19.5	11%	19.1	20.7	8%	20.0	21.8	9%	
BV (Rs)	118.0	119.1	1%	133.1	135.5	2%	148.9	152.9	3%	

Source: Emkay Research

Exhibit 11: Key Assumptions

	FY23A	FY24E	FY25E	FY26E
Loan Growth (%)	15.3	12.6	13.3	13.9
Deposit Growth (%)	8.3	9.0	10.9	11.6
NIM (%)	2.8	2.9	2.8	2.7
GNPA (%)	7.5	5.6	4.4	3.6
Credit Cost (%)	1.5	0.9	0.7	0.8

Source: Emkay Research

Exhibit 12: Key Ratios and Trends

	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Loans (Rs bn)	6,346	6,695	7,164	7,286	7,737	8,040	8,099	8,185	8,472
growth (YoY)	-2.5	2.7	9.6	13.0	21.9	20.1	13.1	12.3	9.5
growth (QoQ)	-1.6	5.5	7.0	1.7	6.2	3.9	0.7	1.1	3.5
Liability Profile/CAR (%)									
Deposits (Rs bn)	9,140	9,375	10,324	9,928	10,433	10,650	11,177	11,281	11,376
growth (YoY)	3.2	6.2	11.8	9.3	14.1	13.6	8.3	13.6	9.0
growth (QoQ)	0.6	2.6	10.1	(3.8)	5.1	2.1	4.9	0.9	0.8
CASA	37.2	37.0	36.5	36.2	35.6	35.3	35.3	34.1	33.8
CA	6.3	6.4	7.0	6.0	6.3	6.3	6.6	5.9	5.4
SA	30.8	30.6	29.5	30.2	29.4	29.0	28.6	28.2	28.4
Global NIM	3.0	3.0	2.8	3.0	3.2	3.2	3.0	3.1	3.2
CAR	13.6	13.9	14.5	14.4	14.5	14.5	16.0	16.0	16.7
Tier I	11.3	11.8	12.2	12.1	12.3	11.8	13.9	13.9	14.6
Branches (No. of)	9,274	9,113	8,873	8,729	8,729	8,710	8,580	8,561	8,521
Asset Quality									
GNPA (%)	12.6	11.6	11.1	10.2	8.5	7.9	7.5	7.3	6.4
NNPA (%)	4.6	4.1	3.7	3.3	2.6	2.1	1.7	1.6	1.3
PCR (%)	66.6	67.5	69.5	69.9	70.6	74.6	78.8	79.8	80.7
Slippages (%)	4.7	2.3	3.8	2.9	2.0	1.7	1.7	1.9	1.4
ROE Decomposition (%)									
NII	2.6	2.7	2.4	2.6	2.8	2.8	2.6	2.8	2.8
Other Income	1.1	0.7	0.8	0.9	1.1	0.9	1.5	1.0	0.9
Treasury	0.4	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.2
Opex	1.8	1.7	1.6	1.7	1.7	1.7	2.1	1.7	1.7
PPOP	2.3	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2
Provisioning Cost	1.4	0.9	1.3	1.1	1.4	1.0	0.9	0.6	0.5
PBT	0.9	0.9	0.7	0.7	0.8	1.2	1.2	1.6	1.7
Tax	0.3	0.5	0.2	0.2	0.2	0.4	0.4	0.6	0.6
ROA	0.6	0.4	0.5	0.5	0.6	0.7	0.9	1.0	1.1
ROE	8.9	6.2	8.2	8.7	10.1	11.9	14.4	16.2	16.4

Source: Company, Emkay Research

Union Bank of India: Standalone Financials and Valuations

Profit & Loss					
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	6,79,440	8,07,433	9,97,605	10,50,018	11,36,201
Interest Expense	4,01,575	4,79,780	6,33,503	6,62,726	7,12,790
Net interest income	2,77,865	3,27,653	3,64,102	3,87,292	4,23,411
NII growth (%)	12.5	17.9	11.1	6.4	9.3
Other income	1,25,248	1,46,332	1,57,047	1,52,451	1,54,259
Total Income	4,03,113	4,73,985	5,21,149	5,39,742	5,77,670
Operating expenses	1,84,381	2,19,313	2,34,274	2,55,250	2,78,300
PPOP	2,18,732	2,54,672	2,86,875	2,84,493	2,99,370
PPOP growth (%)	11.2	16.4	12.6	(0.8)	5.2
Core PPOP	1,85,691	2,43,840	2,69,544	2,62,828	2,73,373
Provisions & contingencies	1,32,938	1,33,294	76,809	65,387	83,618
PBT	85,794	1,21,377	2,10,066	2,19,106	2,15,752
Extraordinary items	0	0	0	0	(
Tax expense	33,473	37,045	71,423	65,732	54,369
Minority interest	0	0	0	0	(
Income from JV/Associates	0	0	0	0	(
Reported PAT	52,321	84,333	1,38,644	1,53,374	1,61,382
PAT growth (%)	80.0	61.2	64.4	10.6	5.2
Adjusted PAT	52,321	84,333	1,38,644	1,53,374	1,61,382
Diluted EPS (Rs)	7.8	12.1	19.1	20.3	21.3
Diluted EPS growth (%)	73.8	55.4	57.9	6.4	5.2
DPS (Rs)	2.0	3.0	4.0	4.2	4.4
Dividend payout (%)	24.8	24.3	20.3	20.3	20.2
Effective tax rate (%)	39.0	30.5	34.0	30.0	25.2
Net interest margins (%)	2.7	2.8	2.9	2.8	2.7
Cost-income ratio (%)	45.7	46.3	45.0	47.3	48.2
Shares outstanding (mn)	6,834.7	6,834.7	7,412.5	7,412.5	7,412.5

Source:	Company,	Emkay	Research
---------	----------	-------	----------

Asset quality and oth	ner metric	s			
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
Asset quality					
Gross NPLs	7,95,870.6	6,09,876.6	5,03,076.1	4,46,691.1	4,12,558.1
Net NPLs	2,43,032.9	1,29,278.0	90,553.7	98,272.0	1,03,139.5
GNPA ratio (%)	11.1	7.5	5.6	4.4	3.6
NNPA ratio (%)	3.7	1.7	1.1	1.0	0.9
Provision coverage (%)	69.5	78.8	82.0	78.0	75.0
Gross slippages	2,28,773.9	1,25,186.0	1,18,667.3	1,40,962.3	1,70,665.1
Gross slippage ratio (%)	3.2	1.5	1.3	1.4	1.5
LLP ratio (%)	1.9	1.5	0.9	0.7	0.8
NNPA to networth (%)	33.6	16.6	9.6	9.2	8.5
Capital adequacy					
Total CAR (%)	14.5	15.9	16.7	16.4	15.8
Tier-1 (%)	12.2	13.8	14.8	14.8	14.4
CET-1 (%)	10.2	12.5	13.6	13.7	13.4
RWA-to-Total Assets (%)	46.0	45.4	46.0	47.0	48.8
Miscellaneous					
Total income growth (%)	(0.1)	18.5	21.1	4.1	7.3
Opex growth (%)	10.0	18.9	6.8	9.0	9.0
Core PPOP growth (%)	19.0	31.3	10.5	(2.5)	4.0
PPOP margin (%)	27.2	26.7	24.8	23.7	23.2
PAT/PPOP (%)	23.9	33.1	48.3	53.9	53.9
LLP-to-Core PPOP (%)	71.6	54.7	28.5	24.9	30.6
Yield on advances (%)	7.5	8.2	9.0	8.6	8.3
Cost of funds (%)	3.9	4.3	5.2	5.0	4.8

Source:	Company,	Emkay	Research

Balance Sheet					
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
Share capital	68,347	68,347	74,125	74,125	74,125
Reserves & surplus	6,37,414	7,14,995	8,67,869	9,91,824	11,23,889
Net worth	7,05,761	7,83,342	9,41,993	10,65,949	11,98,013
Deposits	1,03,23,926	1,11,77,163	1,21,87,430	1,35,16,256	1,50,82,200
Borrowings	5,11,791	4,31,375	4,62,646	4,54,879	4,47,736
Interest bearing liab.	1,08,35,717	1,16,08,538	1,26,50,076	1,39,71,135	1,55,29,936
Other liabilities & prov.	3,34,432	4,15,644	5,83,085	6,88,296	7,06,724
Total liabilities & equity	1,18,75,91	1,28,07,52	1,41,75,15	1,57,25,38	1,74,34,67
Net advances	66,10,047	76,18,455	85,77,423	97,20,319	1,10,68,256
Investments	34,85,074	33,92,990	35,96,680	38,90,896	42,29,206
Cash, other balances	11,95,004	11,21,505	11,62,535	11,86,371	10,87,096
Interest earning assets	1,12,90,124	1,21,32,950	1,33,36,638	1,47,97,586	1,63,84,557
Fixed assets	71,913	88,256	80,185	84,372	89,425
Other assets	5,13,873	5,86,319	7,58,331	8,43,422	9,60,691
Total assets	1,18,75,911	1,28,07,525	1,41,75,154	1,57,25,380	1,74,34,673
BVPS (Rs)	99.4	105.6	123.9	135.5	152.9
Adj. BVPS (INR)	75.2	93.2	115.5	126.8	143.7
Gross advances	71,62,884	80,99,053	89,89,945	1,00,68,738	1,13,77,674
Credit to deposit (%)	64.0	68.2	70.4	71.9	73.4
CASA ratio (%)	36.5	35.3	34.1	34.0	33.8
Cost of deposits (%)	3.8	4.1	5.1	4.9	4.8
Loans-to-Assets (%)	55.7	59.5	60.5	61.8	63.5
Net advances growth (%)	11.8	15.3	12.6	13.3	13.9
Deposit growth (%)	11.8	8.3	9.0	10.9	11.6
Book value growth (%)	(18.0)	6.3	17.3	9.4	12.8

Source: Company, Emkay Research

Valuations and key Ratios					
Y/E Mar	FY22	FY23	FY24E	FY25E	FY26E
P/E (x)	12.6	8.1	5.1	4.8	4.6
P/B (x)	1.3	1.1	0.9	0.8	0.7
P/ABV (x)	1.4	1.1	0.9	0.8	0.7
P/PPOP (x)	3.1	2.7	2.6	2.6	2.5
Dividend yield (%)	2.0	3.0	4.0	4.2	4.4
DuPont-RoE split (%)					
NII/avg assets	2.5	2.7	2.7	2.6	2.6
Other income	1.1	1.2	1.2	1.0	0.9
Fee income	0.2	0.2	0.2	0.2	0.2
Opex	1.6	1.8	1.7	1.7	1.7
PPOP	1.9	2.1	2.1	1.9	1.8
Core PPOP	1.6	2.0	2.0	1.8	1.6
Provisions	1.2	1.1	0.6	0.4	0.5
Tax expense	0.3	0.3	0.5	0.4	0.3
RoA (%)	0.5	0.7	1.0	1.0	1.0
Leverage ratio (x)	18.0	17.9	16.8	15.8	15.5
RoE (%)	8.3	12.2	17.3	16.3	15.1
Quarterly data					
Rs mn, Y/E Mar	Q2FY23	Q3FY23	Q4FY23	Q1FY24	Q2FY24
NII	83,050	86,281	82,506	88,397	91,261
NIM (%)	3.2	3.2	3.0	3.1	3.2
PPOP	65,771	66,192	68,234	71,793	72,208
PAT	18,477	22,448	27,823	32,364	35,114
EPS (Rs)	2.70	3.28	4.07	4.74	5.14

Source: Company, Emkay Research

RECOMMENDATION HISTORY - DETAILS

Date	CMP (INR)	TP (INR)	Rating	Analyst
04-Oct-23	108	95	Hold	Anand Dama
15-Jun-23	70	82	Hold	Anand Dama
09-Mar-23	72	65	Hold	Anand Dama
16-Feb-23	72	65	Hold	Anand Dama
18-Nov-22	74	52	Sell	Anand Dama
09-Oct-22	45	33	Sell	Anand Dama
30-May-22	38	30	Sell	Anand Dama
03-Nov-21	48	40	Sell	Anand Dama
30-Jul-21	37	34	Sell	Anand Dama
08-Jun-21	36	30	Sell	Anand Dama
20-Jan-21	32	25	Sell	Anand Dama
06-Nov-20	25	21	Sell	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.emkavglobal.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 quaranteed. 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 October 29, 2023
- EGFSL, and/or Research Analyst does not market make in equity securities of the issuer(s) or company(ies) mentioned in this Report 2. 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 3. 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 October 29, 2023
- 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 5 company at the end of the month immediately preceding the October 29, 2023
- 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

zimay radiig bistisadoii		
Ratings	Expected Return within the next 12-18 months.	
BUY	Over 15%	
HOLD	Between -5% to 15%	
SELL	Below -5%	

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.