Result Update

RBL Bank



Refer to important disclosures at the end of this report

On course to redemption

CMP as of (January 20, 2023) **Target Price** Rs 225 (▲)

Rating **Upside** BUY (■) 32.7 %

FY23E

FY24E

53.3%

- RBL reported a strong margin uptick up 19bps QoQ/44bps YoY to 4.7%, but elevated opex and NPA provisions led to a slight miss on PAT at Rs2.1bn (vs. our est.: Rs2.2bn). However, the bank has guided for 1% exit RoA, as income growth outpaces opex and LLP too moderates with asset quality on the mend.
- Credit growth improved to 15% YoY/6% QoQ, mainly led by better traction in the retail/SME book. Despite disbursements being impacted for a week in Q3 due to technical upgrade, MFI AUM grew 10% QoQ and should further accelerate in the seasonally-strong 4Q. Deposit growth is also expected to accelerate (3Q at 11% YoY), as built-up franchisee and fintech partnerships deliver results.
- GNPA ratio improved by 19bps QoQ to 3.6% due to higher recoveries/w-offs and growth. Bank has indicated that the MFI stress flow from the restructured pool is largely done with, which should, thus, lead to moderate slippages. This should result in lower LLP and hence drive-up RoAs to 0.8-1.2%/7-12% over FY23E/FY25E from a loss in FY22.
- We retain BUY on the stock and upgrade our TP to Rs225 (from Rs160), rolling forward on 0.9x Dec-24E ABV, while taking comfort from improving growth/asset quality and RoE trajectory. The bank's regulatory compliance should also improve and so reduce the risk of regulatory friction. That said, managing liability amid rising competitive intensity will be closely tracked.
- Strong growth, coupled with asset re-pricing, led to sharp margin uptick: Overall credit growth improved to 15% YoY/6% QoQ, mainly driven by retail/SME. Despite disbursements being impacted for a week in Q3 due to technical issues, MFI AUM grew by 10% QoQ and is likely to further improve hereon. Growth in the card business is also gradually accelerating, which could be a key growth & margin driver. That said, RBL would also focus on increasing the share of new business lines, including housing, vehicle loans (new/used), tractors and gold. The bank has been consuming internal excess liquidity which, coupled with asset re-pricing, led to sharp margin uptick - 19bps QoQ to 4.7%. However, RBL would now incrementally focus on driving-up deposit growth that, coupled with rising CoF, should have some effect on margins.
- NPA formation moderates; MFI pain largely behind: Despite elevated slippages at Rs6.1bn/4.2% of loans (due to slippages from the RSA pool, including MFI/Cards), higher recoveries/w-offs led to a 19bps QoQ decline in the GNPA ratio to 3.6%. Specific PCR remained flat, albeit healthy at ~68%. The restructured book moderated to 1.4% of loans due to relapse into NPAs, with the balance being business loan (largely secured). As a strategy, the bank is likely to focus on recovery from old NPAs, including CCD, McLeod Russel, etc which should further improve NPA ratios.
- Outlook and valuations: We retain BUY on the stock and upgrade our TP to Rs225 (earlier Rs160), rolling forward on 0.9x Dec-24E ABV, while taking comfort from the improving growth/asset quality and RoE trajectory (7-12% over FY23-25E from a loss in FY22). The bank's regulatory compliance should also improve and, thus, reduce the risk of regulatory friction. Key risks: Management attrition, sharp rise in CoF leading to margin derailment and continued asset quality stress in Cards/Business loans.

Financial Snapshot (Standalone)

FY21	FY22	FY23E	FY24E	FY25E
56,716	63,673	68,622	79,321	94,521
5,078	(747)	8,834	12,626	17,836
9.2	(1.2)	14.7	21.1	29.8
212.0	200.6	215.0	235.0	261.4
0.5	(0.1)	0.8	1.0	1.2
4.4	(0.6)	6.8	9.0	11.6
18.5	NM	11.5	8.0	5.7
0.8	0.8	0.8	0.7	0.6
	56,716 5,078 9.2 212.0 0.5 4.4 18.5	56,716 63,673 5,078 (747) 9.2 (1.2) 212.0 200.6 0.5 (0.1) 4.4 (0.6) 18.5 NM	56,716 63,673 68,622 5,078 (747) 8,834 9.2 (1.2) 14.7 212.0 200.6 215.0 0.5 (0.1) 0.8 4.4 (0.6) 6.8 18.5 NM 11.5	56,716 63,673 68,622 79,321 5,078 (747) 8,834 12,626 9.2 (1.2) 14.7 21.1 212.0 200.6 215.0 235.0 0.5 (0.1) 0.8 1.0 4.4 (0.6) 6.8 9.0 18.5 NM 11.5 8.0

Change in Estimates	
EPS Chg FY23E/FY24E (%)	(0.4)/(0.8)
Target Price change (%)	40.6
Target Period (Months)	12
Previous Reco	BUY
Emkay vs Consensus	

EPS Estimates

14.	7 21.1
14.9	9 19.7
2M)	Rs 145
	RBK IN
	10
1)	600
	189 / 74
	102 / 1.25
)	172,68,180
D mn)	32.6
)

Shareholding Pattern Dec '22 **Promoters** -% FIIs 26.5% DIIs 20.2%

Price Performance										
(%)	1M	3M	6M	12M						
Absolute	-	32	85	12						
Rel to Nifty	2	28	70	10						

Relative price trend

Public and Others



Source: Bloomberg

This report is solely produced by Emkay Global. The following person(s) are responsible for the production of the recommendation:

Heet Khimawat

heet.khimawat@emkayglobal.com +91 22 6612 1275

Dixit Sankharva

dixit.sankharva@emkayglobal.com +91 22 6612 1281

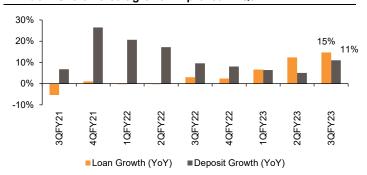
Soumva Jain

soumya.jain@emkayglobal.com

Source: Company, Embay Besearch MM. Not Meaningful temarquesolutions.com use and downloaded at 01/23/2003 216612 1262

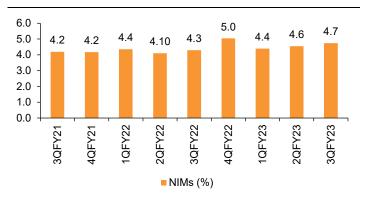
Story in charts

Exhibit 1: Overall credit growth improved in Q3...



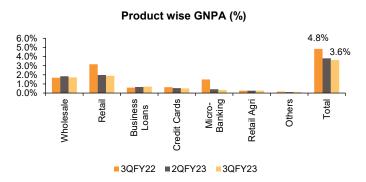
Source: Company, Emkay Research

Exhibit 3: NIM improved by 19bps, mainly due to higher yields



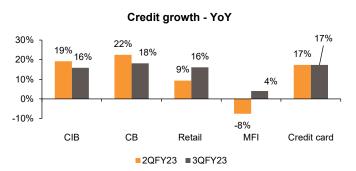
Source: Company, Emkay Research

Exhibit 5: NPA stabilizing across products and should continue to improve



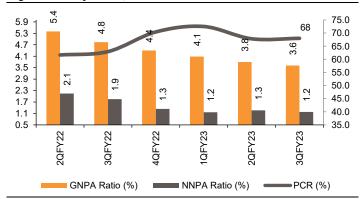
Source: Company, Emkay Research

Exhibit 2: ...mainly led by Retail and SME



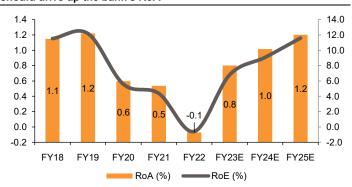
Source: Company, Emkay Research

Exhibit 4: GNPA% improved by 19bps due to lower slippages and higher recovery/w-offs, while PCR remained at 68% levels



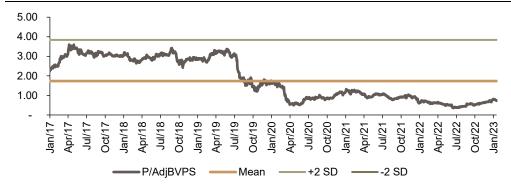
Source: Company, Emkay Research

Exhibit 6: Strong growth, improving asset quality and lower LLP should drive up the bank's RoA



Source: Company, Emkay Research

Exhibit 7: The stock currently trades at 0.7x one-year forward P/ABV (x)



Source: Bloomberg, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 01/23/2023 01:59 PM

Exhibit 8: Actual vs Estimates (3QFY23)

Rs mn	Actuals	Est	imates	Va	riation	Comments
	Actuals	Emkay	Consensus	Emkay	Consensus	
Net income	17,666	17,298	17,330	2%	2%	Better margins led to a beat
PPOP	5,672	5,381	5,414	5%	5%	Higher net income, partly offset by higher opex, led to a beat
PAT	2,088	2,211	2,245	-6%	-7%	Higher LLP resulted in a miss

Source: Company, Emkay Research

Exhibit 9: Quarterly summary

(Rs mn)	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	YoY (%)	QoQ (%)	FY22	FY23E	YoY (%)
Interest Earned	20,442	21,310	20,893	21,757	23,686	16	9	81,758	91,744	12
Interest Exp	10,338	9,996	10,616	11,113	12,205	18	10	41,491	47,754	15
Net Interest Income	10,104	11,313	10,277	10,644	11,482	14	8	40,267	43,990	9
Global NIMs (reported)	4.30	5.04	4.40	4.55	4.74	44bps	19bps	4.17	4.30	13bps
Non-interest Income	5,830	5,114	6,136	5,833	6,184	6	6	23,405	24,632	5
Operating Expenses	9,626	9,853	11,122	11,354	11,994	25	6	36,220	46,716	29
Pre Provisioning Profit	6,308	6,574	5,291	5,124	5,672	-10	11	27,453	21,906	-20
Provision & Contingencies	4,239	4,007	2,530	2,415	2,927	-31	21	28,604	10,101	-65
PBT	2,069	2,568	2,761	2,709	2,745	33	1	-1,151	11,805	-1,126
Income Tax Expense (Gain)	508	589	750	693	655	29	-5	-404	2,971	-836
Net Profit/(Loss)	1,561	1,978	2,012	2,016	2,090	34	4	-747	8,834	-1,282
Gross NPA (%)	4.84	4.40	4.08	3.80	3.61	-123bps	-19bps	4.40	3.43	-97bps
Net NPA (%)	1.85	1.34	1.16	1.26	1.18	-67bps	-8bps	1.34	1.05	-29bps
Deposits (Rs bn)	736	790	792	794	817	11	3	790	875	11
Net Advances (Rs bn)	581	600	603	629	667	15	6	600	695	16

Source: Company, Emkay Research

Exhibit 10: Revision in estimates

Y/E Mar (Rs mn)	FY23E			FY24E			FY25E		
	Earlier	Revised	Change	Earlier	Revised	Change	Earlier	Revised	Change
Net income	67,788	68,622	1.2%	79,542	79,321	-0.3%	94,706	94,521	-0.2%
PPOP	21,019	21,906	4.2%	25,073	25,367	1.2%	32,071	32,469	1.2%
PAT	8,867	8,834	-0.4%	12,729	12,626	-0.8%	17,862	17,836	-0.1%
EPS (Rs)	14.8	14.7	-0.4%	21.2	21.1	-0.8%	29.8	29.8	-0.1%
BV (Rs)	224.2	224.2	0.0%	243.5	243.3	-0.1%	270.3	270.0	-0.1%

Source: Emkay Research

Exhibit 11: Key assumptions

(%)	FY22A	FY23E	FY24E	FY25E
Loan Growth	2.4	15.8	19.7	22.3
Deposit Growth	8.0	10.7	17.5	19.7
NIM	4.2	4.3	4.4	4.4
GNPA	4.4	3.4	2.6	2.2
Credit Cost	4.6	1.5	1.1	0.9

Source: Emkay Research

Exhibit 12: Key ratios and trends

	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23
Loans (Rs mn)	5,86,225	5,65,270	5,60,086	5,81,410	6,00,218	6,02,700	6,29,417	6,66,840
Loans YoY (%)	1.0	(0.3)	(0.3)	3.0	2.4	6.6	12.4	14.7
Loans QoQ (%)	3.9	(3.6)	(0.9)	3.8	3.2	0.4	4.4	5.9
Liability Profile (%)								
CASA	31.8	33.6	35.4	34.4	35.3	36.0	36.2	36.6
CA	13.3	12.7	12.7	14.7	14.6	15.4	14.8	15.7
SA	18.5	20.9	22.7	19.7	20.7	20.6	21.4	20.9
No. of Branches	429	392	445	463	502	502	507	516
NIM	4.17	4.36	4.10	4.30	5.04	4.40	4.55	4.74
Yield on Advances	11.20	11.60	11.30	11.30	12.22	11.22	11.46	11.96
Cost of Deposits	5.50	5.30	5.00	4.80	4.75	4.84	5.19	5.55
Asset Quality (%)								
GNPA	4.3	5.0	5.4	4.8	4.4	4.1	3.8	3.6
NNPA	2.1	2.0	2.1	1.9	1.3	1.2	1.3	1.2
PCR	52.3	60.9	61.7	62.9	70.4	72.5	67.8	68.0
Slippages (Rs mn)	31,430	13,420	12,170	7,660	6,190	6,530	8,120	6,080
Slippages - annualized	21.7	9.5	8.7	5.4	4.2	4.6	5.8	4.2
CAR	17.5	17.2	16.3	16.6	16.8	17.5	17.4	17.0
Tier I	16.6	16.1	15.5	15.8	16.2	16.0	15.9	15.5
ROE Decomposition (on total assets) - %								
NII	3.7	3.9	3.6	3.9	4.3	3.8	4.0	4.2
Other Income (Ex Treasury)	2.1	2.0	2.0	2.2	2.0	2.0	2.0	2.2
Treasury	0.1	0.6	0.3	0.1	(0.0)	0.3	0.1	0.1
Opex	2.9	3.4	3.2	3.7	3.8	4.2	4.2	4.4
PPOP	3.0	3.0	2.7	2.4	2.5	2.0	1.9	2.1
Provisioning Cost	2.5	5.5	2.5	1.6	1.5	0.9	0.9	1.1
PBT	0.4	(2.5)	0.2	0.8	1.0	1.0	1.0	1.0
Tax	0.1	(0.6)	0.0	0.2	0.2	0.3	0.3	0.2
ROA	0.3	(1.8)	0.1	0.6	0.8	0.8	0.7	8.0
ROE	2.4	(14.8)	1.0	5.1	6.3	6.3	6.2	6.3

Source: Company, Emkay Research

Key Financials (Standalone)

Income Statement

Y/E Mar (Rs mn)	FY21	FY22	FY23E	FY24E	FY25E
Net interest income	37,876	40,267	43,990	49,778	59,192
Other income	18,840	23,405	24,632	29,543	35,329
Fee income	14,359	18,773	21,589	25,906	31,088
Net income	56,716	63,673	68,622	79,321	94,521
Operating expenses	27,546	36,220	46,716	53,953	62,053
Pre provision profit	29,170	27,453	21,906	25,367	32,469
PPP excl treasury	26,449	24,961	20,909	24,121	31,098
Provisions	22,279	28,604	10,101	8,495	8,633
Profit before tax	6,891	(1,151)	11,805	16,873	23,836
Tax	1,813	(404)	2,971	4,247	5,999
Tax rate	26	35	25	25	25
Profit after tax	5,078	(747)	8,834	12,626	17,836

Balance Sheet

Y/E Year End (Rs mn)	FY21	FY22	FY23E	FY24E	FY25E
Equity	5,980	5,995	5,995	5,995	5,995
Reserves	1,20,645	1,20,187	1,28,421	1,39,848	1,55,886
Net worth	1,26,625	1,26,182	1,34,417	1,45,843	1,61,881
Deposits	7,31,213	7,90,065	8,74,648	10,28,134	12,30,820
Borrowings	1,04,959	1,03,630	95,340	1,00,107	1,05,112
Total liabilities	10,06,505	10,62,086	11,40,553	13,20,583	15,73,261
Cash and bank	67,047	1,31,111	68,178	71,586	75,166
Investments	2,32,304	2,22,744	2,46,258	2,73,143	3,13,966
Loans	5,86,225	6,00,218	6,95,248	8,32,226	10,18,105
Others	49,070	58,166	70,414	82,756	98,045
Total assets	10,06,506	10,62,086	11,40,553	13,20,583	15,73,261

Key Ratios (%)

Y/E Year End	FY21	FY22	FY23E	FY24E	FY25E
NIM	4.3	4.2	4.3	4.4	4.4
Non-II/avg assets	2.0	2.3	2.2	2.4	2.4
Fee income/avg assets	1.5	1.8	2.0	2.1	2.1
Opex/avg assets	2.9	3.5	4.2	4.4	4.3
Provisions/avg assets	2.3	2.8	0.9	0.7	0.6
PBT/avg assets	0.7	(0.1)	1.1	1.4	1.6
Tax/avg assets	0.2	0.0	0.3	0.3	0.4
RoA	0.5	(0.1)	0.8	1.0	1.2
RoAE	4.4	(0.6)	6.8	9.0	11.6
GNPA (%)	4.3	4.4	3.4	2.6	2.2
NNPA (%)	2.1	1.3	1.1	0.8	0.7

Per Share Data (Rs)	FY21	FY22	FY23E	FY24E	FY25E
EPS	9.2	(1.2)	14.7	21.1	29.8
BVPS	228.8	210.7	224.2	243.3	270.0
ABVPS	212.0	200.6	215.0	235.0	261.4
DPS	0.0	0.0	1.0	2.0	3.0

Valuations (x)	FY21	FY22	FY23E	FY24E	FY25E
PER	18.5	NM	11.5	8.0	5.7
P/BV	0.8	0.8	0.8	0.7	0.6
P/ABV	0.8	0.8	0.8	0.7	0.6
P/PPOP	3.5	3.7	4.6	4.0	3.1
Dividend Yield (%)	0.0	0.0	0.6	1.2	1.8
6 5 5					

Source: Company, Emkay Research
This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 01/23/2023 01:59 PM

Growth (%)	FY21	FY22	FY23E	FY24E	FY25E
NII	4.3	6.3	9.2	13.2	18.9
PPOP	6.0	(5.9)	(20.2)	15.8	28.0
PAT	0.4	(114.7)	(1,282.0)	42.9	41.3
Loans	1.0	2.4	15.8	19.7	22.3

Quarterly (Rs mn)	Q3FY22	Q4FY22	Q1FY23	Q2FY23	Q3FY23
NII	10,104	11,313	10,277	10,644	11,482
NIM (%)	4.3	5.0	4.4	4.6	4.7
PPOP	6,308	6,574	5,291	5,124	5,672
PAT	1,558	1,976	2,010	2,014	2,088
EPS (Rs)	2.60	3.30	3.35	3.36	3.48

Source: Company, Emkay Research

Shareholding Pattern (%)	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
Promoters	-	-	-	-	-
FIIs	28.9	28.2	26.1	27.2	26.5
DIIs	19.7	19.1	11.6	14.2	20.2
Public and Others	51.4	52.8	62.3	58.6	53.3

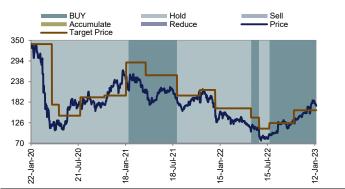
Source: Capitaline

RECOMMENDATION HISTORY (Rs/share)

TE COMMENDA	11014 1115 10101 (103	<i>5,</i> 5.1.416 <i>j</i>			
Date	Closing Price	TP	Period	Rating	Analyst
24-Oct-22	127	160	12m	Buy	Anand Dama
22-Aug-22	98	125	12m	Buy	Anand Dama
22-Jul-22	92	125	12m	Buy	Anand Dama
13-Jun-22	88	110	12m	Hold	Anand Dama
13-May-22	111	140	12m	Buy	Anand Dama
28-Jan-22	148	165	12m	Hold	Anand Dama
27-Dec-21	141	165	12m	Hold	Anand Dama
29-Oct-21	181	215	12m	Hold	Anand Dama
03-Aug-21	187	200	12m	Hold	Anand Dama
05-Apr-21	206	255	12m	Buy	Anand Dama
29-Jan-21	214	290	12m	Buy	Anand Dama
20-Jan-21	254	290	12m	Hold	Anand Dama
29-Oct-20	175	200	12m	Hold	Anand Dama
29-Jul-20	177	195	12m	Hold	Anand Dama
08-May-20	119	145	12m	Hold	Anand Dama
11-Apr-20	121	175	12m	Hold	Anand Dama
23-Jan-20	339	340	12m	Hold	Anand Dama

Source: Company, Emkay Research

RECOMMENDATION HISTORY (Rs/share)



Source: Bloomberg, Company, Emkay Research

Emkay Rating Distribution

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

Completed Date: 21 Jan 2023 12:38:38 (SGT) Dissemination Date: 21 Jan 2023 12:39:38 (SGT)

Sources for all charts and tables are Emkay Research unless otherwise specified.

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 Bombay Stock Exchange Limited (BSE), National Stock Exchange of India Limited (NSE), MCX Stock Exchange Limited (MCX-SX). EGFSL along with its subsidiaries 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, insurance broking 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 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, except that NSE had disabled EGFSL from trading on October 05, October 08 and October 09, 2012 for a manifest error resulting into a bonafide erroneous trade on October 05, 2012. However, SEBI and Stock Exchanges have conducted the 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 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.

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) covered in this report

EGFSL and/or its affiliates may seek investment banking or other business from the company or companies that are the subject of this material. 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. 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. This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject EGFSL or its group companies to any registration or licensing requirement within such jurisdiction. 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. 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 Group Companies. 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 publication has not been reviewed or authorized by any regulatory authority. There is no planned schedule or frequency for updating research publication relating to any issuer.
- Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets

Disclaimer for U.S. persons only: This research report is a product of Emkay Global Financial Services Limited (Emkay), 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 the sender. Further, 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.

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 01/23/2023 01:59 PM

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 associate does not serve 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 does not have financial interests 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 associate is defined as (i) the spouse, or any minor child (natural or adopted) or minor step-child, of the analyst; (ii) the trustee of a trust of which the analyst, his spouse, minor child (natural or adopted) or minor step-child, is a beneficiary or discretionary object; or (iii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

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-:

- 1. EGFSL, its subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of January 21, 2023
- 2. EGFSL, and/or Research Analyst does not market make in equity securities of the issuer(s) or company(ies) mentioned in this Research 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.
- 4. EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her relative's does not have any material conflict of interest in the securities recommended in this report as of January 21, 2023.
- 5. EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her relative's does not have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the January 21, 2023
- 6. EGFSL, its subsidiaries and/or other affiliates and Research Analyst have not received any 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.
- 7. EGFSL, its subsidiaries and/or other affiliates and/or and Research Analyst have not received any compensation or other benefits from securities recommended in this report (subject company) or third party in connection with the research report.
- 8. Securities recommended in this report (Subject Company) has not been client of EGFSL, its subsidiaries and/or other affiliates and/or and Research Analyst during twelve months preceding the January 21, 2023

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.

RESTRICTIONS ON DISTRIBUTION

General	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.
Australia	This report is not for distribution into Australia.
Hong Kong	This report is not for distribution into Hong Kong.
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
Malaysia	This report is not for distribution into Malaysia.
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 16800306E) or DBSVS (Company Regn. No. 1860024G) both of which are Exempt Financial Advisers as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. DBS Bank Ltd and/or DBSVS, may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an agreement under Regulation 32C of the financial Advisers Regulations. Singapore recipients should contact DBS Bank Ltd at 6327 2288 for matters arising from, or in connection with the report.
Thailand	This report is being distributed in Thailand by DBS Vickers Securities (Thailand) Co Ltd.
	This report is disseminated in the United Kingdom by DBS Vickers Securities (UK) Ltd, ("DBSVUK"). DBSVUK is authorised and regulated by the Financial Conduct Authority in the United Kingdom.
United Kingdom	In respect of the United Kingdom, this report is solely intended for the clients of DBSVUK, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBSVUK. This communication is directed at persons having professional experience in matters relating to investments. Any investment activity following from this communication will only be engaged in with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this communication.
Dubai International Financial Centre	This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at units 608-610, 6 th Floor, Gate Precinct Building 5, PO Box 506538, Dubai International Financial Centre (DIFC), Dubai, United Arab Emirates. DBS Bank Ltd., (DIFC Branch) is regulated by The Dubai Financial Services Authority. This research report is intended only for professional clients (as defined in the DFSA rulebook) and no other person may act upon it.
United Arab Emirates	This report is provided by DBS Bank Ltd (Company Regn. No. 196800306E) which is an Exempt Financial Adviser as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. This report is for information purposes only and should not be relied upon or acted on by the recipient or considered as a solicitation or inducement to buy or sell any financial product. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situation, or needs of individual clients. You should contact your relationship manager or investment adviser if you need advice on the merits of buying, selling or holding a particular investment. You should note that the information in this report may be out of date and it is not represented or warranted to be accurate, timely or complete. This report or any portion thereof may not be reprinted, sold or redistributed without our written consent.
United States	DBSVUSA did not participate in its preparation. The research analyst(s) named on this report are not registered as research analysts with FINRA and are not associated persons of DBSVUSA. The research analyst(s) are not subject to FINRA Rule 2241 restrictions on analyst compensation, communications with a subject company, public appearances and trading securities held by a research analyst. This report is being distributed in the United States by DBSVUSA, which accepts responsibility for its contents. This report may only be distributed to Major U.S. Institutional Investors (as defined in SEC Rule 15a-6) and to such other institutional investors and qualified persons as DBSVUSA may authorize. Any U.S. person receiving this report who wishes to effect transactions in any securities referred to herein should contact DBSVUSA directly and not its affiliate.
Other jurisdictions	In any other jurisdictions, except if 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.

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