This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

India Equity Research | Insurance April 29, 2023

**Result Update** 



Your success is our success

Refer to important disclosures at the end of this report

CMP Rs 591 as of (April 28, 2023) Rating

# FY23 combined ratio guidance achieved

**Star Health** 

Star Health (Star) reported decent performance for Q4FY23, completing the year post the pandemic with a combined ratio for FY23 at 95.3%, coming near the top end of ~93/-95% combined ratio target. Premium growth for FY23 at 13% was largely in line with our estimates and was driven by ~18% growth in retail and a ~33% decline in group (in line with management's guidance of exiting the large corporate group health business). PAT for FY23 came in 13.7% lower than our estimate at Rs6.2bn, largely led by lower NEP than our estimates. However, with the company achieving the 95.3% CoR, we believe Star is on the right track to achieve profitable growth, given its expanding hospital network, strong distribution network, and some normalization in medical inflation. Given that Star is within the 35% Expense of Management (EoM) cap, the company is well positioned in the new EoM regulations era. We have tweaked our estimates for FY24-25E and reiterate our BUY rating with a revised Mar-24 TP of Rs685, implying a 32x FY25E P/E and 2.1x FY25E P/GWP.

Decent operating performance; lower NEP drives PAT miss: For Q4FY23, Star's GWP grew by 13.8% YoY to Rs4.2bn, broadly in line with our estimates. However, lower-than-expected NEP for Q4FY23 led to underwriting loss of Rs0.65bn, against our expectation of an underwriting profit of Rs0.46bn. Claims ratio for Q4FY23 and FY23 came broadly in line with our expectations at 62% and 65%, respectively, leading to an inline combined ratio for Q4FY23 and FY23 at 91.4% and 95.3%, respectively. Despite inline CoR, lower-than-expected PAT for FY23 at Rs6.18bn was driven by a 2% miss on NEP and 4% miss on investment income. Similarly, for Q4FY23, PAT at Rs1bn came significantly lower than our estimate of Rs2bn, driven by a miss on NEP and lower investment income. (Exhibit 1)

Management expects the combined ratio to improve further: Star is expected to deliver claims ratio of 63-65%, owing to strong FY23 performance, price hike taken in its major policies, and Covidrelated impact largely behind. Claims costs are expected to further improve, driven by efficient claims processing systems in place, the shortest possible turnaround time, and efficient anti-fraud systems. Star should further see improvement in combined ratio as the price hike in key products and investments in distribution are expected to start delivering results. Star's EoM is below the 35% limit as against peers, and this paves way for Star to grow better than its peers, given its strong franchise, widening network of hospitals, and expanding distribution channels. (Exhibit 9)

Solvency ratio strong at 214%; no requirement of fresh capital: Star reported solvency ratio of 214% for FY23 vs. 167% for FY22 despite repayment of Rs2.5bn worth borrowing. With the required solvency factor being moved to premium-based factor from claims, we expect solvency ratio to be broadly stable in FY24 as PBT, RoE and premium growth are expected to move in a similar range. The ~Rs1bn miss in PAT for Q4FY23 led to a ~4% impact in solvency margin as against our expectation of ~220% solvency margin for FY23. However, improvement in solvency ratios should put the talks of capital raise to rest.

Minor tweak to our estimates, reiterate BUY with a revised Mar-24 TP of Rs685: We have tweaked our estimates for FY24/25E, reflecting Q4FY23 developments. Our medium to long-term growth and profitability expectations remain broadly unchanged. We reiterate our BUY rating on the stock with our Mar-24 TP of Rs685 (implying 32x FY25E P/E and 2.1x FY25E P/GWP).

#### **Financial Snapshot**

Y/E March (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
GWP	1,14,635	1,29,525	1,55,430	1,88,164	2,29,502
Combined ratio (%)	117.9	95.3	94.7	94.0	93.6
U/W result	-20,616	2,046	3,381	4,998	5,972
Net profit	-10,407	6,186	9,644	12,300	14,880
RoE (%)	-25.6	12.3	16.3	17.8	18.5
Solvency ratio (%)	167.0	214.0	211.1	208.0	198.1
EPS (Rs)	-18.7	10.7	16.6	21.1	25.6
BVPS (Rs)	80.5	93.8	110.0	128.1	148.7
P/GWP	3.0	2.7	2.2	1.8	1.5
P/E	-31.7	55.3	35.7	28.0	23.1
P/B	7.3	6.3	5.4	4.6	4.0

## **Target Price** Rs 685 (▲) 12 month Upside BUY (∎) 15.9 %

#### Change in Estimates

	FY25E (	%)	-2.1/-6.6		
Target Price char	nge (%)		2		
Target Period (Me	onths)		12		
Previous Reco			BUY		
Emkay vs Conse	ensus				
EPS	Estima	tes			
	F	Y24E	FY25E		
Emkay		16.6	21.1		
Consensus		16.7	20.9		
Mean Consensus	TP (12	N)	Rs 662		
Stock Details					
Bloomberg Code		STAF	RHEAL IN		
Face Value (Rs)			10		
Shares outstandi	ng (mn)		582		
52 Week H/L			780 / 451		
M Cap (Rs bn/US	SD bn)	3	344 / 4.20		
Daily Avg Volume	e (nos.)		6,17,438		
Daily Avg Turnov	er (US\$	mn)	4.1		
Shareholding Pa	attern M	ar '23			
Promoters			58.3%		
FIIs			35.2%		
DIIs			1.4%		
Public and Others 5.0%					
Public and Others	6		5.0%		
Price Performan			5.0%		
Price Performan (%) 1M	ce 3M	6M	I 12M		
Price Performan(%)1MAbsolute14	<b>ce</b> 3M	(18)	<b>I 12M</b> ) (16)		
Price Performan(%)1MAbsolute14Rel. to Nifty7	<b>ce</b> 3M 18 15		<b>1 12M</b> ) (16)		
Price Performan(%)1MAbsolute14Rel. to Nifty7Relative price cl	<b>ce</b> 3M 18 15	(18)	<b>1 12M</b> ) (16) ) (20)		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ct	<b>ce</b> 3M 18 15	(18)	<b>I 12M</b> ) (16)		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ch	<b>ce</b> 3M 18 15	(18)	<b>1 12M</b> ) (16) ) (20)		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ct	<b>ce</b> 3M 18 15	(18)	1 12M ) (16) ) (20) % [ <sup>20</sup>		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ch	<b>ce</b> 3M 18 15	(18)	I         12M           0         (16)           0         (20)           %         20           %         8		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ch 775 710 645	<b>ce</b> 3M 18 15	(18)	I         12M           0         (16)           0         (20)           %         20           %         8		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ch 775 710 645 580	ce 3M 18 15 hart	(18)	$ \begin{array}{c c} 1 & 12M \\ \hline ) & (16) \\ \hline ) & (20) \\ \end{array} $ $ \begin{array}{c} \% \\ -20 \\ -8 \\ -4 \\ -46 \\ -28 \\ -40 \\ \end{array} $		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price cl 775 710 645 580 515 450	ce 3M 18 15 nart	(18) (19)	$ \begin{array}{c c} 1 & 12M \\ \hline ) & (16) \\ \hline ) & (20) \\ \end{array} $ $ \begin{array}{c} \% \\ -20 \\ -8 \\ -4 \\ -46 \\ -28 \\ -40 \\ \end{array} $		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price cl 775 710 645 580 515 450 Apr-22 Jun-22 Aug-2 StarHEAL IN EC Source: Bloomberg	ce 3M 18 15 nart 2 Oct-22 D 2 Oct-22 D	(18) (19)	1         12M           0         (16)           0         (20)           %         20           %         -20           %         -4           -16         -28           -23 Apr-23         -40           >23 Apr-23           kel to Nifty (RHS)		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price cl 775 710 645 580 515 450 Apr-22 Jun-22 Aug-2 STARHEAL IN ER	ce 3M 18 15 hart 2 Oct-22 Do will (LHS) 2 oct-22 Do will (LHS)	(18) (19)	1         12M           0         (16)           0         (20)           %         -20           %         -20           %         -4           -16         -28           -23 Apr-23         -40           >23 Apr-23         tet to Nifty (RHS)           Global. The         -40		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price ch 775 710 645 580 515 450 Apr-22 Jun-22 Aug-2 StartHEAL IN EC Source: Bloomberg This report is solely p following person(s) ar	ce 3M 18 15 hart 2 Oct-22 Do will (LHS) 2 oct-22 Do will (LHS)	(18) (19)	1         12M           0         (16)           0         (20)           %         -20           %         -20           %         -4           -16         -28           -23 Apr-23         -40           >23 Apr-23         tet to Nifty (RHS)           Global. The         -40		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price cl 775 710 645 580 515 450 Apr-22 Jun-22 Aug-2 STARHEAL INEC Source: Bloomberg This report is solely p following person(s) ar production of the reco	ce 3M 18 15 nart 2 Oct-22 Dr 2	(18) (19)	1         12M           0         (16)           0         (20)           %         20           %         -4           -16         -28           -23 Apr-23         -40           -23 Apr-23         -23           Global. The he         -4		
Price Performan (%) 1M Absolute 14 Rel. to Nifty 7 Relative price cl 775 710 645 580 515 450 Apr-22 Jun-22 Aug-2 StarkHeal INEC Source: Bloomberg This report is solely p following person(s) ar production of the record	ce 3M 18 15 nart 2 Oct-22 Do 2 Oct-22 Oct-22 Do 2 Oct-22 Oct-22 Do 2 Oct-22 Oct	(18) (19)	1         12M           0         (16)           0         (20)           %         20           %         -4           -16         -28           -23 Apr-23         -40           -23 Apr-23         -23           Global. The he         -4		

mahek.shah@emkayglobal.com

+91 22 6612 1218

Source: Sou

## Exhibit 1: Q4FY23/FY23 Result

(Rs mn)	Q4FY23	Q4FY22	%YoY	Q4FY23E	% Var	FY23	FY22	%yoy	FY23E	% Var
Gross written premium (GWP)	41,992	36,892	13.8	42,195	-0.5	1,29,525	1,14,635	13.0	1,29,727	-0.2
Net Written Premium (NWP)	39,932	34,738	15.0			1,23,196	1,08,095	14.0		
Net earned Premium (NEP) - A	29,125	26,212	11.1			1,12,616	98,092	14.8		
Expenses										
Claims Incurred (Net)	18,054	17,848	1.2	19,598	-7.9	73,204	85,400	-14.3	74,748	-2.1
Commission (Net)	5,618	5,072	10.8			16,828	14,922	12.8		
Operating Expenses	6,108	5,464	11.8			20,538	18,385	11.7		
Total expense - B	29,780	28,384	4.9			1,10,570	1,18,707	-6.9		
U/W Profit/(Loss) C = A-B	-654	-2,173	NM	467	NM	2,046	-20,616	NM	3,162	-35.3
Policyholder investment income	1,405	1,192	17.9			5,014	3,814			
Operating Profit	751	-980	NM			7,060	-16,802	NM		
PBT	1,361	-1,158	NM			8,264	-13,967	NM		
PAT	1,018	-820	NM	2,024	-49.7	6,186	-10,407	NM	7,166	-13.7
Combined ratio (%)	91.4	98.4	-7.1ppts	91.4	0.0ppts	95.3	117.9	-22.5ppts	95.3	0.0ppts
Retention Ratio	95.1	94.2	0.9ppts			95.1	94.3	0.8ppts		
NEP/NWP (%)	73	75	-2.5ppts			91.4	90.7	0.7ppts		
Net claims ratio	62.0	68.1	-6.1ppts	61.6	0.4ppts	65.0	87.1	-22.1ppts	64.8	0.2ppts
Net commission ratio	14.1	14.6	-0.5ppts			13.7	13.8	-0.1ppts		
Management expense ratio	15.3	15.7	-0.4ppts			16.7	17.0	-0.3ppts		
Solvency ratio	2.14	1.67	47.0ppts			2.14	1.67	47.0ppts		
Source: Company, Emkay Research										

Source: Company, Emkay Research

Exhibit 2: Residual income valuation for Star Health				
Cost of Equity	12.0%			
FY25 PAT (Rs mn)	12,300			
PAT CAGR FY25-38	16%			
Terminal growth	8.0%			
Mar-24 Fair value (Rs mn)	3,97,674			
No. of shares (mn)	581.7			

Exhibit 3: Implied valuation multiples for Star Health

Source: Company, Emkay Research

Valuation multiple on Target Price	Rs 685
FY25E P/E	32x
FY25E P/B	5.3x
RoE (%)	17.8%
FY25E P/GWP	2.1x

Valuation multiple on CMP	Rs 591
FY25E P/E	28x
FY25E P/B	4.6x
RoE (%)	17.8%
FY25E P/GWP	1.8x

Source: Company, Emkay Research

Mar-24 Fair value per share (Rs)

Mar-24E Target Price

CMP

Upside

#### Exhibit 4: Changes in Estimates

(Rs mn)	FY24E			FY25E			FY26E		
	Old	Revised	Change (%)	Old	Revised	Change (%)	Old	Revised	Change (%)
GWP	1,57,054	1,55,430	-1.0	1,88,597	1,88,164	-0.2	NA	2,29,502	NM
U/W Result	2,993	3,381	13.0	5,468	4,998	-8.6	NA	5,972	NM
Net Profit	9,849	9,644	-2.1	13,166	12,300	-6.6	NA	14,880	NM
Claims ratio (%)	64.8	64.6	-0.2ppts	64.8	64.3	-0.5ppts	NA	64.0	NM
Combined Ratio (%)	94.9	94.7	-0.2ppts	93.9	94.0	0.1ppts	NA	93.6	NM
Solvency Ratio (%)	222.0	211.1	-10.9ppts	220.3	208.0	-12.3ppts	NA	198.1	NM

684

685

591 **16%** 

BUY

Source: Company, Emkay Research

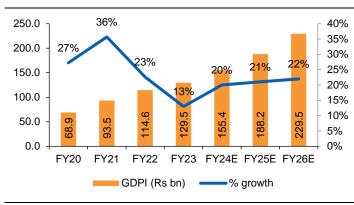
This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

1%

6%

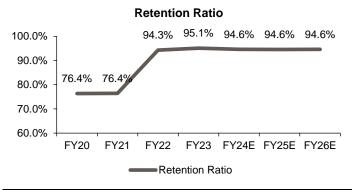
# **Story in Charts**

Exhibit 5: GDPI is expected to grow at 20% levels going forward



Source: Company, Emkay Research

#### Exhibit 7: Retention ratio is expected to hover at 95% levels



90% - 11% 13% 11% 10%

2%

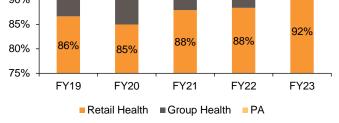


Exhibit 6: Retail health constitutes ~92% of the overall GDPI product

Source: Company, Emkay Research

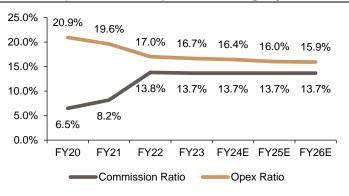
2%

mix

100%

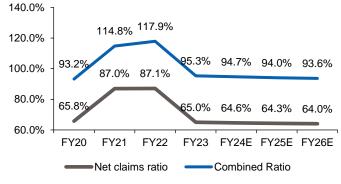
95%

#### Exhibit 8: Expense ratios are expected to decline going forward



Source: Company, Emkay Research

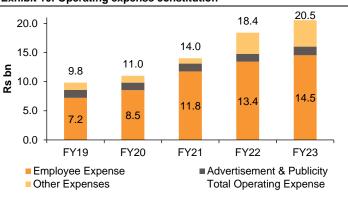
#### Exhibit 9: Combined ratio is expected to improve to 94.7% for FY24



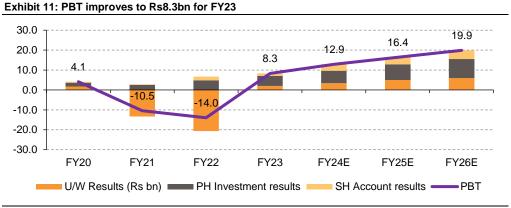
Source: Company, Emkay Research

Source: Company, Emkay Research

## Exhibit 10: Operating expense constitution



Source: Company, Emkay Research



Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

## **Conference Call Highlights**

- Star recorded the highest-ever underwriting profit for the year in FY23 at Rs2bn and PAT of Rs6bn.
- For Apr-23, Star has seen good traction in the business with expected growth of ~25%; and loss ratios for April-23 have seen some improvement as compared to the previous year.
- Star registered a retail health market share of 34% for FY23 and the incremental retail health market share stood at 40% for FY23.
- Star added 76,000 agents during the year, of which exclusive agents constituted 18,000.
- Management stated the company continues to aggressively expand partnerships with banks and other corporate agents.
- During the quarter, Star partnered with Standard Chartered Bank, Indian Post Bank, and other small finance banks.
- Management stated that the new EoM guidelines should provide more flexibility and growth opportunities.
- During the quarter, the company launched two new products, one in the group health category and the Star Special Care Gold product for Individual HIV patients.
- Star established a wellness proposition available to its policyholders as well as non-policyholders. For policyholders, the wellness proposition provides discounts on premiums after the completion of health-related targets. For non-policyholders, the company provides tele-medical solutions, which are expected to generate leads for premium growth.
- Management stated that the Antifraud Digital Initiative has provided an incremental benefit of 1.3% in terms of lower claims ratio.
- The expense ratio fell to 30.3% for FY23 despite the significant cutdown in the group health business.
- Regarding FY24 outlook, management stated the company has been beating the industry and will continue to grow faster than the industry.
- Management expects the combined ratio to improve, better than the previous year.
- For FY24, new ESOPs will be issued at market rates and, hence, there would be no impact on the profit and loss account.
- For FY23, the retail health segment saw 9% growth due to volume and 9% growth on account of the rise in premium value.
- Management stated new hospitals have shown significant interest in getting empaneled with Star and the company expects the agreed network of hospitals to further grow. Management highlighted that more claims were processed where there was a pricing arrangement.
- Management expects 16-18% RoE for FY24, with price hikes in some of the products and with a majority of ESOP costs being accounted for in the previous year.

Policyholder Account (Y/E March, Rs mn)	FY21	FY22	FY23	FY24E	FY25E	FY26E
Gross Direct Premium (GDPI)	93,490	1,14,635	1,29,525	1,55,430	1,88,164	2,29,502
Gross Written Premium (GWP)	93,490	1,14,635	1,29,525	1,55,430	1,88,164	2,29,502
Net Written Premium (NWP)	71,448	1,08,095	1,23,196	1,47,054	1,78,000	2,17,119
Net Earned Premium (NEP)	50,228	98,092	1,12,616	1,34,687	1,62,141	1,95,212
Net incurred claims	43,695	85,400	73,204	87,073	1,04,316	1,25,019
Net commission expense	5,838	14,922	16,828	20,085	24,310	29,654
Operating expense	14,014	18,385	20,538	24,148	28,517	34,567
Total Expense	63,546	1,18,707	1,10,570	1,31,306	1,57,143	1,89,240
Underwriting result	-13,318	-20,616	2046	3381	4998	5972
Investment income	2,606	4,796	5,014	6,254	7,834	9,530
Insurance result	-10,712	-15,820	7,060	9,635	12,831	15,502
Operating profit	-10,712	-15,820	7,060	9,635	12,831	15,502
Shareholder Account						
(Y/E March, Rs mn)	FY21	FY22	FY23	FY24E	FY25E	FY25E
Operating profit	-10,712	-15,820	7,060	9,635	12,831	15,502
Investment income	1,631	3,133	3,331	3,848	4,201	4,977
Expenses and provisions	1,382	1,360	2,185	600	600	600
Profit before tax	-10,460	-13,967	8,264	12,883	16,432	19,879
Tax expense	-2,204	-3,560	2,078	3,240	4,132	4,999
Profit after Tax	-8,256	-10,407	6,186	9,644	12,300	14,880
Balance Sheet						
(Y/E March, Rs mn)	FY21	FY22	FY23	FY24E	FY25E	FY25E
Source of Funds						
Shareholders fund	42,242	63,693	65,656	65,656	74,538	86,510
Fair value gains	-76	267	234	0	0	0
Borrowings	2,500	7,200	4,700	4,700	4,700	4,700
Total	44,666	71,159	70,589	70,356	79,238	91,210
Application of Funds						
Investments	68,367	1,13,734	1,33,921	1,53,165	1,81,278	2,16,174
Shareholders	26,321	44,939	53,459	54,946	63,391	72,968
Policyholders	42,046	68,796	80,462	98,219	1,17,887	1,43,206
Other Assets	5,203	8,938	6,802	3,618	1,228	1,289
Cash & Bank Balances	18,790	5,635	3,094	8,707	10,432	12,502
Other current assets	12,650	6,828	8,444	10,133	12,160	14,591
Current liabilities	15,643	19,607	20,301	23,120	26,178	31,760
Provisions	51,946	62,022	72,687	83,821	99,680	1,21,587
Net Current Assets	-36,149	-69,165	-81,451	-88,101	-1,03,267	-1,26,253
Accumulated losses	7,245	17,652	11,316	1,673	0	0
Total	44,666	71,159	70,589	70,356	79,238	91,210
Net worth	34,996	46,041	54,339	63,983	74,538	86,510

Key ratios (Y/E March, %) FY21 FY22 FY23 FY24E FY25E FY26 Retention ratio 76.4 94.3 95.1 94.6 94.6 94.6 87.0 Incurred claims ratio 87.1 65.0 64.6 64.3 64.0 Net commission ratio 8.2 13.8 13.7 13.7 13.7 13.7 Expense ratio 19.6 17.0 16.7 16.4 16.0 15.9 Combined ratio 114.8 117.9 95.3 94.7 94.0 93.6 Net investment yield 7.6 8.7 6.7 7.0 7.2 7.3 GWP/Net worth 2.2 2.5 2.7 1.8 2.0 2.4 NWP/Net worth 1.7 1.7 1.9 2.2 2.4 2.5 -32.1 16.3 Return on Equity -25.7 12.3 17.8 18.5 208 Solvency ratio 223 167 214 211 198 Investment leverage (x) 2.1 2.5 2.5 2.3 2.3 2.4

Source: Company, Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

#### RECOMMENDATION HISTORY TABLE

Date	Closing Price	ТР	Period (months)	Rating	Analyst
03-Apr-23	527	670	12m	Buy	Avinash Singh
30-Mar-23	527	670	12m	Buy	Avinash Singh
06-Feb-23	523	670	12m	Buy	Avinash Singh
01-Feb-23	502	670	12m	Buy	Avinash Singh
17-Jan-23	566	830	12m	Buy	Avinash Singh
05-Jan-23	585	830	12m	Buy	Avinash Singh
03-Jan-23	584	860	12m	Buy	Avinash Singh
10-Nov-22	699	860	12m	Buy	Avinash Singh
29-Sep-22	708	945	12m	Buy	Avinash Singh
22-Sep-22	712	945	12m	Buy	Avinash Singh
05-Sep-22	758	945	12m	Buy	Avinash Singh
24-Aug-22	720	945	12m	Buy	Avinash Singh
31-Jul-22	747	945	12m	Buy	Avinash Singh
27-Jun-22	515	945	12m	Buy	Avinash Singh
04-May-22	720	945	12m	Buy	Avinash Singh
24-Mar-22	697	1,040	12m	Buy	Avinash Singh
13-Feb-22	772	1,040	12m	Buy	Avinash Singh
13-Dec-21	897	1,135	12m	Buy	Avinash Singh

**RECOMMENDATION HISTORY CHART** 



Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

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

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

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

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

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

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

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.

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

### **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. 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 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.

<sup>1</sup> 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.

<sup>2</sup> 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-:

- 1. 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 April 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 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 may have material conflict of interest in the securities recommended in this report as of April 29, 2023
- 5. EGFSL, its affiliates and Research Analyst or his/her associate/relative's may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the April 29, 2023
- 6. 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.
- 8. EGFSL, its affiliates and/or and Research Analyst or his/her associate may have received any compensation or other benefits from the subject company or third party in connection with this research report.

## **Emkay Rating Distribution**

Ratings	Expected Return within the next 12-18 months.
BUY	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

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM

### 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 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 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 for the subject company in the past back to the subject Company may have been client of EGFSL or its affiliates during twelve months. Subject Company may have co-managed public offering of securities for the subject company in the past twelve months.

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 05/02/2023 05:37 PM