

In-line quarter

Emkay

Your success is our success

Refer to important disclosures at the end of this report

CMP

Rs 1,846
as of (February 1, 2023)

Target Price
Rs 2,300 (▼)

Rating BUY (■) Upside 24.5 %

Q3FY23 EBITDA declined 32% YoY to Rs3.8bn, with blended EBITDA/ton also declining similarly, to Rs492 – both being broadly in line with our estimates. Higher working-capital requirements (up Rs27bn YoY) led to a steep decline in the cash balance (fall of Rs45bn YoY) to Rs30bn, as of Dec-22; commissioning of the Ametha project (clinker: 2.7mt; cement: 1mt) has been delayed by six months to Q2FY24. Factoring-in the slow pace of price hike, higher cost/ton and delay in project commissioning, we reduce our FY24E-25E EBITDA by 11-12% and our target EV/E multiple by one notch to 11x (in line with the last five-year average). We revise our TP to Rs2,300/share (earlier Rs2,625), based on 11x

Mar-25 EV/E (on half-yearly roll-over). Given the strong balance sheet, likely FCF

generation of >Rs20bn p.a. over the next couple of years and favorable valuation at CMP

(10x FY24E EV/E), we maintain BUY from a medium-term perspective.

Results Summary: ACC's consolidated volumes remained flat YoY/increased 11% QoQ to 7.7mt, coming in line with our estimates; cement realization/ton (including other operating income) increased 6% YoY/~3% QoQ to Rs5,477, matching our estimates. Total cost/ton increased 13% YoY/declined 6% QoQ to Rs5,400 (Emkay est.: Rs5,350). Adjusted PAT declined 43% YoY to Rs1.9bn. Reported PAT of Rs1.1bn includes an exceptional item of Rs790mn, mainly from Rs734mn towards the one-time IT transition costs.

What we like: Cost savings aid in margin recovery.

What we did not like: Significant decline in net cash, led by working-capital blockage, delay in Ametha capacity commissioning.

Operational highlights: 1) Freight costs have declined, from Rs2.96/ton/km to Rs2.86/ton/km due to: i) optimization of warehouse infrastructure; ii) higher direct sales at 44% (40% earlier); iii) reduction in lead distance, from 307km to 292km; and iv) higher rail dispatches; 2) Kiln fuel cost reduced by 17.7%, from Rs3.17 per '000 kCal to Rs2.61 per '000 kCal, with change in coal mix, group synergies on coal procurement and higher AFR factor. Company expects further reduction in fuel cost going ahead, through group synergies; 3) AFR consumption increased by 33% due to various debottlenecking initiatives and strong focus on cost optimization.

Project updates: ACC's Salai Banwa plant for increasing grinding capacity is near completion. Besides, the Ametha integrated project (2.7mt clinker and 1mt cement-grinding capacity) has been delayed by six months and is expected to be commissioned by Q2FY24. Company has also commissioned WHRS at Jamul and Kymore in Q4CY22.

Financial performance: In CY22, FCF generation stood at a negative Rs35bn post w/cap blockage of Rs27bn and capex spend of Rs19bn. Post dividend payment of Rs11bn, net cash declined by Rs45bn YoY to Rs30bn as of Dec-22.

Financial Snapshot (Consolidated)

(Rs mn)	CY20	CY21	15MFY23E	FY24E	FY25E
Net Sales	1,34,868	1,58,144	2,15,954	1,91,228	2,08,788
EBITDA	24,840	29,981	19,866	26,357	32,445
EBITDA Margin (%)	18.0	18.6	9.0	13.5	15.3
APAT	14,864	19,178	10,109	15,268	20,007
EPS (Rs)	79.1	102.0	43.0	81.2	106.4
EPS (% chg)	7.9	29.0	(57.8)	88.8	31.0
ROE (%)	12.3	14.2	5.6	10.0	12.4
P/E (x)	23.4	18.1	42.9	22.7	17.3
EV/EBITDA (x)	11.4	10.3	12.8	10.1	8.2
P/BV (x)	2.7	2.4	2.9	2.2	2.1

Change in Estimates	
EPS Chg FY23E/FY24E (%)	34.9/(17.4)
Target Price change (%)	NA
Target Period (Months)	12
Previous Reco	BUY
Emkay vs Consensus	

EPS Estimates FY23E FY24E Emkay 43.0 81.2 Consensus 88.9 112.1 Mean Consensus TP (12M) Rs 2,331 Stock Details Bloomberg Code ACC IN Face Value (Rs) 10

Stock Details	
Bloomberg Code	ACC IN
Face Value (Rs)	10
Shares outstanding (mn)	188
52 Week H/L	2,785 / 1,733
M Cap (Rs bn/USD bn)	347 / 4.23
Daily Avg Volume (nos.)	5,68,631
Daily Avg Turnover (USD mr	16.1

Shareholding Pattern Dec '22						
Promoters	56.7%					
Fils	12.0%					
DIIs	18.7%					
Public and Others	12.7%					

Price Performance										
(%)	1M	3M	6M	12M						
Absolute	(24)	(24)	(17)	(21)						
Rel. to Nifty	/ (22)	(22)	(18)	(21)						

Relative price trend

Duine Daufaumanan



Source: Bloomberg

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

Dharmesh Shah

dharmesh.shah@emkayglobal.com

+91 22 6612 1255

Harshal Milan Mehta

harshal.mehta@emkayglobal.com +91 22 6624 2481

Solrice: Company, Entrag Researcheam.emkay @ whitemarquesolutions.com use and downloaded at 02/03/2023 11:15 AM

Quarterly Analysis

Exhibit 1: Actual vs. Estimates (Q3FY23)

(Do mn)	A 4	Estimates		% variation		2
(Rs mn)	Actual	Emkay	Consensus	Emkay	Consensus	Comment
Sales	44,594	44,746	45,096	(0.3)	(1.1)	In-line
EBITDA	3,792	3,826	3,934	(0.9)	(3.6)	In-line
Adj. PAT	1,923	1,926	1,720	(0.2)	11.8	In-line
Volume (mt)	7.7	7.6		0.7		
Realization (Rs/ton)	5,892	5,850		(1.0)		
EBITDA (Rs/ton)	492	500		(1.6)		

Source: Company, Bloomberg, Emkay Research

Exhibit 2: Quarterly result summary

(Rs mn)	4QCY21	1QCY22	2QCY22	3QCY22	4QCY22	YoY (%)	QoQ (%)	CY21	CY22	YoY (%)
Revenue	42,258	44,265	44,684	39,873	45,370	7.4	13.8	1,61,517	1,74,193	7.8
Expenditure	36,695	37,919	40,422	39,710	41,578	13.3	4.7	1,31,536	1,59,629	21.4
Total RM	9,940	9,006	8,385	8,491	12,878	29.6	51.7	28,665	38,760	35.2
Power & Fuel	9,414	10,405	13,119	13,175	11,302	20.1	(14.2)	33,648	48,001	42.7
Freight	9,591	10,482	10,779	9,827	10,018	4.4	1.9	38,230	41,105	7.5
Staff cost	2,036	1,931	2,168	2,113	2,030	(0.3)	(3.9)	8,362	8,242	(1.4)
Other expenditure	5,714	6,095	5,971	6,104	5,351	(6.4)	(12.3)	22,632	23,522	3.9
EBITDA	5,563	6,346	4,262	164	3,792	(31.8)	2,213.9	29,981	14,564	(51.4)
Depreciation	1,604	1,539	1,647	1,735	1,725	7.5	(0.5)	6,007	6,646	10.6
EBIT	3,958	4,807	2,616	(1,571)	2,066	(47.8)	NA	23,974	7,918	(67.0)
Other Income	539	585	539	697	407	(24.5)	(41.7)	2,067	2,227	7.8
Interest	129	106	149	177	189	46.4	6.4	546	620	13.6
PBT	4,368	5,286	3,005	(1,050)	2,284	(47.7)	NA	25,495	9,525	(62.6)
Total Tax	1,031	1,360	775	(311)	393	(61.9)	NA	6,433	2,217	(65.5)
Adjusted PAT	3,337	3,927	2,230	(740)	1,892	(43.3)	NA	19,062	7,308	(61.7)
Minority Int.	18	36	43	29	31	69.0	7.2	115	140	21.0
PAT after MI	3,356	3,963	2,273	(711)	1,923	(42.7)	NA	19,177	7,448	(61.2)
Extra ordinary items	(548)	-	-	(163)	(791)	NA	NA	(548)	(953)	NA
Reported PAT	2,808	3,963	2,273	(873)	1,132	(59.7)	NA	18,630	6,494	(65.1)
Adjusted EPS (Rs)	17.8	21.1	12.1	(3.8)	10.2	(42.7)	NA	102.0	39.6	(61.2)
(%)	4QCY21	1QCY22	2QCY22	3QCY22	4QCY22	YoY (bps)	QoQ (bps)	CY21	CY22	YoY (bps)
EBITDA margin	13.2	14.3	9.5	0.4	8.4	(481)	795	18.6	8.4	(1,020)
EBIT margin	9.4	10.9	5.9	(3.9)	4.6	(481)	849	14.8	4.5	(1,030)
EBT margin	10.3	11.9	6.7	(2.6)	5.0	(530)	767	15.8	5.5	(1,032)
PAT margin	7.9	8.9	5.0	(1.9)	4.2	(373)	603	11.8	4.2	(761)
Effective Tax rate	23.6	25.7	25.8	29.6	17.2	,		25.2	23.3	

Source: Company, Emkay Research

Exhibit 3: Quarterly analysis on per-ton basis

(Rs/ton)	4QCY21	1QCY22	2QCY22	3QCY22	4QCY22	YoY (%)	QoQ (%)	CY21	CY22	YoY (%)
Cement volumes (mt)	7.7	7.8	7.6	6.9	7.7	0.2	11.3	29.4	30.1	2.3
Blended Realization	5,497	5,660	5,847	5,765	5,892	7.2	2.2	5,495	5,791	5.4
Raw Material	1,293	1,152	1,097	1,240	1,672	29.3	36.2	975	1,289	32.1
Power & Fuel	1,225	1,331	1,717	1,923	1,468	19.9	(22.9)	1,145	1,596	39.4
Freight	1,248	1,340	1,410	1,435	1,301	4.3	(8.4)	1,301	1,367	5.1
Staff cost	265	247	284	308	264	(0.5)	(13.7)	284	274	(3.7)
Other expenditure	743	779	781	891	695	(6.5)	(21.2)	770	782	1.6
Operating cost	4,774	4,849	5,289	5,797	5,400	13.1	(5.9)	4,475	5,307	18.6
Other operating income	115	134	98	112	101	(12.2)	(9.3)	115	111	(3.1)
EBITDA/ton (Rs)	724	812	558	24	492	(32.0)	1,978.6	1,020	484	(52.5)

Source: Company, Emkay Research

Exhibit 4: We cut FY24-FY25E EBITDA by 11-12%

V/F Doo (Do mm)		FY24E		FY25E			
Y/E Dec (Rs mn)	Old	New	% chg	Old	New	% chg	
Revenue	1,96,733	1,94,602	(1.1)	2,15,506	2,12,161	(1.6)	
EBITDA	29,998	26,357	(12.1)	36,476	32,445	(11.1)	
PAT	18,479	15,268	(17.4)	23,353	20,007	(14.3)	

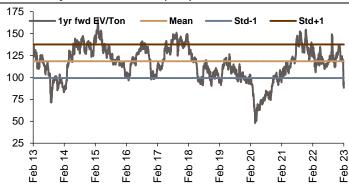
Source: Emkay Research

Exhibit 5: 1-year forward EV/EBITDA



Source: Bloomberg, Emkay Research

Exhibit 6: 1-year forward EV/ton (USD)



Source: Bloomberg, Emkay Research

Exhibit 7: We maintain BUY with a TP of Rs2,300/share, based on 11x Mar-25E EV/EBITDA

EV/E method, backed by DCF analysis	(Rs bn)
Mar-25E EBITDA	32
Implied EV/E (x)	11
Enterprise Value	357
Net cash (Mar-24E)	75
Equity value	432
No. of shares (mn)	188
Mar-24E Target Price (Rs/share)	2,300

Source: Emkay Research

Exhibit 8: Annual analysis on per-ton basis

(Rs/ton)	CY17	CY18	CY19	CY20	CY21	15MFY23E	FY24E	FY25E
Blended realization	4,934	5,020	5,156	5,151	5,380	5,706	5,804	5,922
% YoY	3.6	1.7	2.7	(0.1)	4.5	6.0	1.7	2.0
Raw material consumed	750	809	914	960	975	1,311	1,346	1,360
Power & fuel cost	1,037	1,041	1,053	983	1,145	1,584	1,391	1,357
Freight cost	1,310	1,384	1,355	1,305	1,301	1,353	1,340	1,360
Staff cost	313	282	291	321	284	272	266	258
Other expenses	942	882	838	748	770	772	764	763
Operating cost	4,352	4,398	4,451	4,316	4,475	5,292	5,106	5,098
% YoY	2.7	1.0	1.2	(3.0)	3.7	18.2	(3.5)	(0.2)
Other operating income	135	112	106	114	115	111	102	96
Blended EBITDA	717	735	811	949	1,020	525	800	920
% YoY	16.0	2.5	10.4	17.0	7.5	(48.5)	52.4	15.0

Source: Company, Emkay Research

Key Financials (Consolidated)

Income Statement

Y/E Dec (Rs mn)	CY20	CY21	15MFY23E	FY24E	FY25E
Net Sales	1,34,868	1,58,144	2,15,954	1,91,228	2,08,788
Expenditure	1,13,020	1,31,536	2,00,282	1,68,245	1,79,716
EBITDA	24,840	29,981	19,866	26,357	32,445
Depreciation	6,388	6,007	8,402	7,749	7,997
EBIT	18,452	23,974	11,464	18,608	24,448
Other Income	2,167	2,067	2,691	2,186	2,660
Interest expenses	571	546	808	566	583
PBT	20,049	25,495	13,346	20,227	26,525
Tax	5,273	6,433	3,406	5,144	6,740
Extraordinary Items	(563)	(548)	0	0	0
Minority Int./Income from Assoc.	89	117	169	186	223
Reported Net Income	14,302	18,630	10,109	15,268	20,007
Adjusted PAT	14,864	19,178	10,109	15,268	20,007

Balance Sheet

Y/E Dec (Rs mn)	CY20	CY21	15MFY23E	FY24E	FY25E
Equity share capital	1,880	1,880	1,880	1,880	1,880
Reserves & surplus	1,25,111	1,41,208	1,46,263	1,53,897	1,63,900
Net worth	1,26,991	1,43,088	1,48,143	1,55,777	1,65,780
Minority Interest	32	34	42	50	58
Loan Funds	0	0	0	0	0
Net deferred tax liability	3,948	4,037	4,077	4,159	4,242
Total Liabilities	1,30,972	1,47,159	1,52,261	1,59,985	1,70,080
Net block	66,974	67,521	84,819	87,596	93,356
Investment	59,786	75,161	62,161	62,161	62,161
Current Assets	49,761	55,256	69,708	69,714	76,206
Cash & bank balance	1,563	1,571	3,815	9,670	13,866
Other Current Assets	650	614	675	743	817
Current liabilities & Provision	51,031	63,230	74,388	69,447	71,604
Net current assets	(1,269)	(7,974)	(4,679)	267	4,602
Misc. exp	0	0	0	0	0
Total Assets	1,30,972	1,47,159	1,52,261	1,59,985	1,70,080

Cash Flow

Y/E Dec (Rs mn)	CY20	CY21	15MFY23E	FY24E	FY25E
PBT (Ex-Other income) (NI+Dep)	17,089	25,064	10,824	18,226	24,086
Other Non-Cash items	1,330	(1,155)	270	408	535
Chg in working cap	3,883	1,303	(1,051)	909	(139)
Operating Cashflow	22,192	28,908	15,847	22,715	26,322
Capital expenditure	(7,479)	(11,533)	(23,210)	(10,527)	(13,757)
Free Cash Flow	14,713	17,375	(7,362)	12,188	12,565
Investments	(13,607)	(15,847)	13,000	0	0
Other Investing Cash Flow	0	0	0	0	0
Investing Cashflow	(19,212)	(25,595)	(7,519)	(8,341)	(11,096)
Equity Capital Raised	0	0	0	0	0
Loans Taken / (Repaid)	(2,629)	(2,629)	0	0	0
Dividend paid (incl tax)	0	0	(5,054)	(7,634)	(10,003)
Other Financing Cash Flow	0	0	(222)	(319)	(444)
Financing Cashflow	(3,274)	(3,305)	(6,085)	(8,519)	(11,030)
Net chg in cash	(293)	8	2,244	5,855	4,196
Opening cash position	1,856	1,563	1,571	3,815	9,670
Closing cash position	1,563	1,571	3,815	9,670	13,866

Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 02/03/2023 11:15 AM

Key Ratios

Profitability (%)	CY20	CY21	15MFY23E	FY24E	FY25E
EBITDA Margin	18.0	18.6	9.0	13.5	15.3
EBIT Margin	13.4	14.8	5.2	9.6	11.5
Effective Tax Rate	26.3	25.2	25.5	25.4	25.4
Net Margin	10.7	11.8	4.5	7.8	9.3
ROCE	16.3	18.7	7.6	13.3	16.4
ROE	12.3	14.2	5.6	10.0	12.4
RoIC	20.3	29.4	10.2	18.0	30.1

Per Share Data (Rs)	CY20	CY21	15MFY23E	FY24E	FY25E
EPS	79.1	102.0	43.0	81.2	106.4
CEPS	113.1	134.0	78.8	122.4	149.0
BVPS	675.5	761.1	630.4	828.6	881.9
DPS	14.0	58.0	21.5	40.6	53.2

Valuations (x)	CY20	CY21	15MFY23E	FY24E	FY25E
PER	23.4	18.1	42.9	22.7	17.3
P/CEPS	16.3	13.8	23.4	15.1	12.4
P/BV	2.7	2.4	2.9	2.2	2.1
EV / Sales	2.1	1.7	1.3	1.4	1.3
EV / EBITDA	11.4	10.3	12.8	10.1	8.2
Dividend Yield (%)	0.8	3.1	1.2	2.2	2.9

Gearing Ratio (x)	CY20	CY21	15MFY23E	FY24E	FY25E
Net Debt/ Equity	(0.5)	(0.5)	(0.4)	(0.5)	(0.4)
Net Debt/EBIDTA	(2.4)	(2.5)	(3.2)	(2.7)	(2.3)
Working Cap Cycle (days)	(7.5)	(21.6)	(17.6)	(17.6)	(15.9)

Growth (%)	CY20	CY21	15MFY23E	FY24E	FY25E
Revenue	(12.1)	17.3	9.2	10.7	10.9
EBITDA	3.0	20.7	(47.0)	65.8	23.1
EBIT	2.2	29.9	(61.7)	102.9	31.4
PAT	(3.2)	30.3	(56.6)	88.8	31.0

Quarterly (Rs mn)	Q4CY21	Q1CY22	Q2CY22	Q3CY22	Q4CY22
Revenue	42,258	44,265	44,684	39,873	45,370
EBITDA	5,563	6,346	4,262	164	3,791
EBITDA Margin (%)	13.2	14.3	9.5	0.4	8.4
PAT	3,356	3,963	2,273	(711)	1,923
EPS (Rs)	17.8	21.1	12.1	(3.8)	10.2

Source: Company, Emkay Research

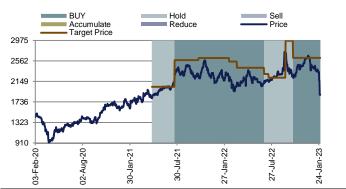
Shareholding Pattern (%)	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
Promoters	54.5	54.5	54.5	56.7	56.7
FIIs	13.9	12.9	12.2	11.4	12.0
DIIs	19.2	19.9	20.6	19.0	18.7
Public and Others	12.5	12.7	12.7	12.9	12.7

Source: Capitaline

Date	Closing Price	TP	Period	Rating	Analyst
29-Dec-22	2,448	2,625	12m	Buy	Dharmesh Shah
05-Dec-22	2,621	2,625	12m	Buy	Dharmesh Shah
05-Nov-22	2,481	2,625	12m	Buy	Dharmesh Shah
17-Oct-22	2,270	2,625	12m	Buy	Dharmesh Shah
05-Oct-22	2,360	2,970	12m	Hold	Dharmesh Shah
18-Sep-22	2,612	2,970	12m	Hold	Dharmesh Shah
04-Sep-22	2,290	2,225	12m	Hold	Dharmesh Shah
15-Jul-22	2,140	2,225	12m	Hold	Dharmesh Shah
04-Jul-22	2,165	2,300	12m	Hold	Dharmesh Shah
28-Jun-22	2,128	2,300	12m	Hold	Dharmesh Shah
19-Apr-22	2,057	2,425	12m	Buy	Dharmesh Shah
16-Mar-22	2,129	2,425	12m	Buy	Dharmesh Shah
14-Feb-22	2,154	2,550	12m	Buy	Dharmesh Shah
31-Dec-21	2,216	2,620	12m	Buy	Dharmesh Shah
20-Oct-21	2,264	2,620	12m	Buy	Dharmesh Shah
05-Sep-21	2,469	2,580	12m	Buy	Dharmesh Shah
20-Jul-21	2,309	2,580	12m	Buy	Dharmesh Shah
06-Jun-21	2,010	2,040	12m	Hold	Dharmesh Shah
24-Apr-21	1,813	2,040	12m	Hold	Dharmesh Shah

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: 01 Feb 2023 23:46:47 (SGT) Dissemination Date: 01 Feb 2023 23:47:47 (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.

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.

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 February 1, 2023
- 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 February 1, 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 February 1, 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 February 1, 2023

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.

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

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.
United Kingdom	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. 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
Dubai International Financial Centre	to investments should not rely on this communication. This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at units 608-610, 6th 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