HOLD Dixon technologies

Emkay Research VOTE HERE



In-line quarter

Consumer Durables → Result Update → July 26, 2023

Dixon reported an in-line quarter, with revenue missing our estimate and PAT at a marginal beat. While sales growth for 1QFY24 stood at 15% YoY, EBITDAM of 4.0% (vs 3.5% YoY) was the key positive, leading to EBITDA/PAT growth of 32%/48% YoY, respectively. Improvement in margin was supported by sales mix and operating leverage. While Management did not guide for any specific amount of sales for FY24, it gave assurance that the Group would be aggressive, along with its growth rates clocking much ahead of the industry's. With the addition of a new client, growth concerns for FY24 seem to have abated. Given large part of the growth is expected to come from low margin Mobile segment, we factor in flattish margin for coming years. We roll forward our valuation to Jun-24E, with the revised TP at Rs4,036/share, based on 40x P/E; we retain HOLD.

Dixon technologies: Financial Snapshot (Consolidated)							
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E		
Revenue	106,971	121,920	186,311	240,168	277,138		
EBITDA	3,791	5,128	7,602	9,725	11,112		
Adj. PAT	1,902	2,539	4,333	5,753	6,778		
Adj. EPS (Rs)	32.1	42.8	73.0	96.9	114.2		
EBITDA margin (%)	3.5	4.2	4.1	4.0	4.0		
EBITDA growth (%)	32.3	35.3	48.3	27.9	14.3		
Adj. EPS growth (%)	19.0	33.5	70.7	32.8	17.8		
RoE (%)	21.9	22.3	29.6	30.0	26.9		
RoIC (%)	32.5	35.3	43.8	43.5	46.2		
P/E (x)	128.3	96.1	56.3	42.4	36.0		
EV/EBITDA (x)	64.8	47.5	32.3	25.0	21.3		
P/B (x)	24.5	19.0	14.8	11.1	8.6		
FCFF yield (%)	0.4	(0.2)	(1.2)	0.6	2.4		

Source: Company, Emkay Research

Mobile and Home appliances deliver in Q1

Revenue (consol.) for the quarter was up 15% YoY to Rs32.7bn, with Mobile & EMS revenues growing 38% YoY. While Home appliances saw muted top-line growth (+1% YoY), a healthy order book in both — the semi-automatic and fully-automatic WM product category — with the addition of Voltas Beko, points to strong ramp-up in remaining year. Muted performance was observed in the Consumer electronics (-5% YoY) and Lighting (-4% YoY) segments, owing to flattish end-consumer demand. Industry-wide LED pricing erosion continued (down ~30% YoY). Company enlisted initiatives like launching of LED stripe & rope products, entering the professional lighting market, and on-boarding senior personnel to its R&D division, with the aim to turnaround the Lighting segment. EBITDA (consol.) was up 32% YoY to Rs1.3bn, in line with our estimates and backed by expansion in gross margin (+55bps YoY) and positive operating leverage, as other operating expenses as a % of sales contracted by 20bps. PAT was up 48% YoY to Rs0.7bn, on the strong operating performance. Capex for Q1 was Rs1.1bn, in line with full-year guidance of Rs4-4.2bn.

Valuation and outlook

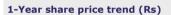
Notwithstanding the addition of another customer in the mobile segment and the strong order book in Home appliances, we believe slowdown in some key segments will hamper the overall growth of brands, which will see additional impact from Dixon being a B2B supplier. Robust margin performance in Q1 is likely to sustain, as Dixon's share in ODM manufacturing continues to grow. Building-in a 5-7% increase in revenue and offset by the declining margin trajectory, FY24E-25E EPS is largely intact (flat in FY24E, while FY25E sees a 0.6% cut). We maintain HOLD on the stock, with roll-forward Jun-24E TP of Rs4,036/share, based on 40x PER (1-yr fwd EPS), factoring-in the prospects of sales ramp-up, especially in the mobile segment; but margin trajectory would remain flattish, as large part of the growth in driven by low margin Mobile segment. Risks include end-consumer demand slowdown leading to tepid requirement by brands.

TARGET PRICE (Rs): 4,036

Target Price - 12M	Jun-24
Change in TP (%)	18.6
Current Reco.	HOLD
Previous Reco.	HOLD
Upside/(Downside) (%)	(1.9)
CMP (25-Jul-23) (Rs)	4,112.9

Stock Data	Ticker
52-week High (Rs)	4,730
52-week Low (Rs)	2,553
Shares outstanding (mn)	59.6
Market-cap (Rs bn)	245
Market-cap (USD mn)	2,992
Net-debt, FY24E (Rs mn)	1,453
ADTV-3M (mn shares)	1
ADTV-3M (Rs mn)	2,489.6
ADTV-3M (USD mn)	30.4
Free float (%)	61.0
Nifty-50	19,681
INR/USD	81.9
Shareholding, Jun-23	
Promoters (%)	34.0
FPIs/MFs (%)	15.0/24.6

Price Performance						
(%)	1M	3M	12M			
Absolute	(4.9)	43.7	9.3			
Rel. to Nifty	(9.8)	29.7	(7.7)			





Abhineet Anand

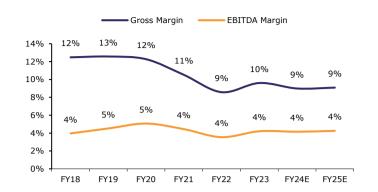
abhineet.anand@emkayglobal.com +91 22 6624 2466

Anshul Agrawal

anshul.agrawal@emkayglobal.com +9122 6612 1228

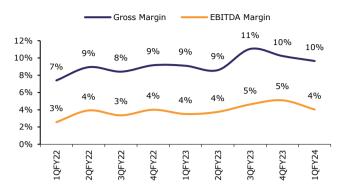
Story in Charts

Exhibit 1: EBITDAM to stay stable over FY23-26E



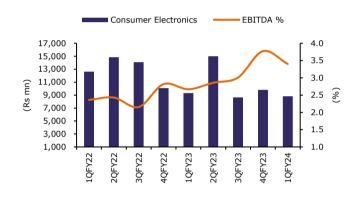
Source: Company, Emkay Research

Exhibit 2: The CE, Lighting and Mobile segments dragged down the overall operating margin



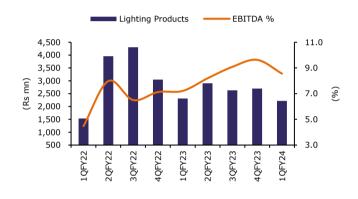
Source: Company, Emkay Research

Exhibit 3: CE margins declined by 40bps QoQ



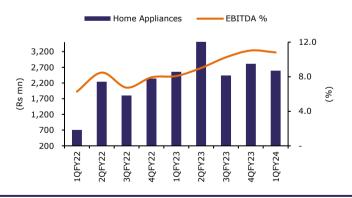
Source: Company, Emkay Research

Exhibit 4: Industry pricing erosion led to a fall in Lighting margin



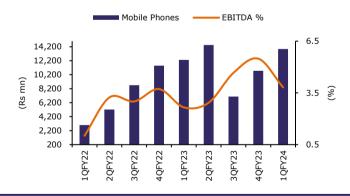
Source: Company, Emkay Research

Exhibit 5: Margins improved YoY, on the back of cost optimization



Source: Company, Emkay Research

Exhibit 6: Mobile margins were soft, as ramp up of new customers is expected in H2FY24



Source: Company, Emkay Research

Exhibit 7: Summary of quarterly financials

(Rs mn)	1QFY21	1QFY23	4QFY23	1QFY24	YoY (%)	QoQ (%)	3-year CAGR
Total Sales	5,169	28,551	30,655	32,715	14.6	6.7	85%
Raw Material	4,550	25,953	27,519	29,558	13.9	7.4	87%
as % of sales	88.0	90.9	89.8	90.3			
Employee Cost	198	547	630	685	25.1	8.7	51%
as % of sales	3.8	1.9	2.1	2.1			
Other operating expenses	253	1,050	943	1,154	9.9	22.4	66%
as % of sales	4.9	3.7	3.1	3.5			
Total Expenditure	5,001	27,550	29,092	31,396	14.0	7.9	84%
EBITDA	169	1,001	1,563	1,319	31.7	(15.6)	98%
Depreciation	93	241	325	337	40.1	3.9	54%
EBIT	76	761	1,238	982	29.1	(20.7)	134%
Other Income	2	4	18	29	578.6	56.6	139%
Interest	57	144	151	140	(3.0)	(7.5)	35%
PBT	22	621	1,105	870	40.2	(21.3)	243%
Tax	6	165	315	229	38.1	(27.4)	244%
PAT before MI	16	455	790	642	41.0	(18.8)	242%
Minority interest	-	1	-16	-30			
PAT	16	454	806	672	47.9	(16.7)	248%
(0/)					(h)	(h==)	
(%)					(bps)	(bps)	
Gross margin	12.0	9.1	10.2	9.7	55	(58)	
EBITDAM	3.3	3.5	5.1	4.0	52	(107)	
EBITM	1.5	2.7	4.0	3.0	34	(104)	
ЕВТМ	0.4	2.2	3.6	2.7	49	(95)	
PATM	0.3	1.6	2.6	2.1	46	(58)	
Effective Tax rate	25.9	26.7	28.5	26.3	(39)	(222)	

Source: Company

Exhibit 8: Actuals vs Estimates (Q1FY24)

(D)	Estimate Consensu		Vari	ation	
(Rs mn)	Actual	(Emkay)	estimate (Bloomberg)	Emkay	Consensus
Revenue	32,715	36,061	32,601	-9%	0%
EBITDA	1,319	1,352	1,499	-2%	-12%
EBITDA margin	4.0%	3.8%	4.6%	28 bps	-57 bps
PAT	672	650	717	3%	-6%

Source: Company, Emkay Research

Exhibit 9: Quarterly segmental financials

(Rs mn)	1QFY21	1QFY23	4QFY23	1QFY24	YoY (%)	QoQ (%)	3-year CAGR
Consumer Electronics	3,473	9,306	9,810	8,820	(5.2)	(10.1)	36.4
Lighting Products	777	2,312	2,700	2,220	(4.0)	(17.8)	41.9
Home Appliances	241	2,556	2,810	2,590	1.3	(7.8)	120.7
Mobile +EMS	531	13,049	13,450	17,950	37.6	33.5	223.4
Reverse Logistics	14	16	0	0	(100.0)	#DIV/0!	-100.0
Security Systems	134	1,311	1,240	1,140	(13.1)	(8.1)	104.2
Total Sales	5,170	28,551	30,010	32,720	14.6	9.0	85.0
EBITDA							
Consumer Electronics	86	248	370	300	20.8	(18.9)	51.5
Lighting Products	58	167	260	190	13.9	(26.9)	48.8
Home Appliances	4	207	310	280	35.6	(9.7)	312.1
Mobile +EMS	20	328	590	530	61.7	(10.2)	196.7
Reverse Logistics	0	-	-	-			
Security Systems	0	52	36	15	(71.1)	(58.3)	321.7
Total EBITDA	169	1,001	1,566	1,315	31.3	(16.0)	98.2
EBITDA Margins (%)					(bps)	(bps)	
Consumer Electronics	2.5	2.7	3.8	3.4	73	(37)	
Lighting Products	7.4	7.2	9.6	8.6	134	(107)	
Home Appliances	1.7	8.1	11.0	10.8	273	(22)	
Mobile +EMS	3.8	2.5	4.4	3.0	44	(143)	
Reverse Logistics	2.9	-	-	-	-	-	
Security Systems	0.1	4.0	2.9	1.3	(264)	(159)	
Total EBITDA	3.3	3.5	5.2	4.0	51	(120)	

Source: Company

Exhibit 10: Change in estimates

(Do mm)		FY24E			FY25E		FY26	E
(Rs mn)	Old	New	Change	Old	New	Change	Old New	Change
Revenue	176,843	186,311	5.4%	224,779	240,168	6.8%	277,138	NA
EBITDA	7,346	7,602	3.5%	9,556	9,725	1.8%	11,112	NA
EBITDA Margin (%)	4.2	4.1	-7 bps	4.3	4.0	-20 bps	4.0	NA
PAT	4332	4333	0.0%	5789	5753	-0.6%	6,778	NA
EPS (Rs)	72.8	73	0.0%	97.2	97	-0.6%	114	NA

Source: Emkay Research

Con-call Highlights

Consumer Electronics

- Q1 saw 5% decline in volumes to 0.7mn units, while realization trended slightly upwards on a YoY basis to Rs12.000.
- Margins, however, improved by 70bps YoY, as share of ODM increased from 7% last year to 29% in Q1FY24. Margins improved on the back of increased backward integration as well as improvement in scale.
- O1FY23 logged sales of ~Rs700mn from the AC invertor business, which is now transferred to the JV business. Excluding these, the segment saw positive YoY sales
- Roll-out of Google TV solutions is likely to be in Q2FY24, with the Samsung solutions roll out expected by Q3FY24.

Lighting

- Margins improved by 150bps YoY due to value engineering of products and better sourcing. Migration of LED tech from the driver base has also led to significant cost savinas.
- By Q2FY24, Dixon will execute its first German export order, in addition to exports to ME. Company plans entering the US & UK markets which could be a Rs0.8-1bn opportunity in the next 2-3 years.
- Company will maintain its launch momentum via launching rope lighting and strip lights, along with smart lighting solutions. It will execute a few orders for stripe LEDs in Q2 and plans adding professional lighting solutions by Q4 which was earlier a huge gap in Dixon's portfolio.
- Company has on-boarded Head of the Philips R&D division and expects to turn around this business soon.
- Industry-led LED pricing erosion of up to 30% led to the top-line declining.

Home appliances

- Company added Voltas Beko as a customer in its top-loading fully automatic category of washing machines.
- Company has a healthy order book in the semi-automatic category and expects strong growth momentum in this segment.
- Company sold ~0.4mn semi-auto washing machines in O1FY24 vs. 0.35mn last year.

Mobile

- Company has onboarded Itel, India's 5th largest manufacturer of mobile phones, and has plans of starting production Q2 onwards. Production for Xiaomi will start from end-Sep-23.
- Q2 will see volumes from Jio Bharat phone, a ramp up from Nokia (1.4mn from 1 mn units per month) and Itel production (0.8mn/month) as well as increased orders from Motorola.
- The newly leased facility in Noida is expected to commence production by mid-Aug-2023.
- For telecom networking products, production for Airtel's order will commence in Q2, while Jio's internet set-top boxes will be produced from Q3.

Others

- Company expects capex of ~Rs420crore (Rs4.2bn) in FY24. Capex will be spread across the mobile and refrigerator segments as well as the washing machine facility (to be ready by Aug-2023), and PLI capex across IT hardware and Telecom.
- Growth in FY24 will be ahead of the industry. Company is seeing muted demand in TV, Lighting & Home appliances, albeit extremely healthy order books in washing machines, mobile phones and wearables categories.

FY25E

21.834

21,953

119

177

224

1,326

23,680

FY26E

28,374

28,493

119

338

224

1,326

30,382

FY24E

16,320

16,439

119

49

224

1,826

18,538

FY23

12,730

12,849

119

(3)

224

1,826

14,897

Dixon technologies: Consolidated Financials and Valuations

Profit & Loss					
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
Revenue	106,971	121,920	186,311	240,168	277,138
Revenue growth (%)	65.9	14.0	52.8	28.9	15.4
EBITDA	3,791	5,128	7,602	9,725	11,112
EBITDA growth (%)	32.3	35.3	48.3	27.9	14.3
Depreciation & Amortization	840	1,146	1,430	1,682	1,768
EBIT	2,952	3,981	6,173	8,043	9,344
EBIT growth (%)	21.5	34.9	55.0	30.3	16.2
Other operating income	0	0	0	0	0
Other income	38	56	94	18	95
Financial expense	442	606	560	407	407
PBT	2,548	3,432	5,707	7,654	9,032
Extraordinary items	0	0	0	0	0
Taxes	644	897	1,322	1,774	2,093
Minority interest	(2)	4	(51)	(128)	(161)
Income from JV/Associates	0	0	0	0	0
Reported PAT	1,902	2,539	4,333	5,753	6,778
PAT growth (%)	19.0	33.5	70.7	32.8	17.8
Adjusted PAT	1,902	2,539	4,333	5,753	6,778
Diluted EPS (Rs)	32.1	42.8	73.0	96.9	114.2
Diluted EPS growth (%)	19.0	33.5	70.7	32.8	17.8
DPS (Rs)	2.0	3.0	3.0	4.0	4.0
Dividend payout (%)	6.2	7.0	4.1	4.1	3.5
EBITDA margin (%)	3.5	4.2	4.1	4.0	4.0
EBIT margin (%)	2.8	3.3	3.3	3.3	3.4
Effective tax rate (%)	25.3	26.1	23.2	23.2	23.2
NOPLAT (pre-IndAS)	2,206	2,941	4,742	6,180	7,179
Shares outstanding (mn)	59.4	59.4	59.4	59.4	59.4

Net tangible fixed assets	7,583	9,425	11,499	12,792	12,040
Net intangible assets	188	224	191	191	191
Net ROU assets	1,959	2,484	3,060	3,520	3,920
Capital WIP	224	1,197	1,197	1,197	1,197
Goodwill	303	303	303	303	303
Investments [JV/Associates]	0	0	0	0	0
Cash & equivalents	1,823	2,292	194	2,318	8,519
Current assets (ex-cash)	31,300	33,175	52,426	67,118	77,288
Current Liab. & Prov.	28,017	32,278	48,397	61,363	70,279
NWC (ex-cash)	3,282	896	4,030	5,756	7,009
Total assets	14,754	14,896	18,538	23,680	30,382
Net debt	1,406	(644)	1,453	(1,170)	(7,371)
Capital employed	14,754	14,897	18,538	23,680	30,382
Invested capital	11,356	11,229	16,968	19,987	20,487
BVPS (Rs)	167.9	216.5	277.0	369.9	480.1
Net Debt/Equity (x)	0.1	(0.1)	0.1	(0.1)	(0.3)
Net Debt/EBITDA (x)	0.4	(0.1)	0.2	(0.1)	(0.7)
Interest coverage (x)	0.1	0.2	0.1	0.1	0.0
RoCE (%)	25.0	27.2	37.5	38.2	34.9

FY22

119

9.849

9,968

6

201

4,580

14,754

Source: Company, Emkay Research

Balance Sheet

Share capital

Net worth

Total debt

Y/E Mar (Rs mn)

Reserves & Surplus

Minority interests

Deferred tax liability (net)

Total liabilities & equity

Source: Company, Emkay Research

Cash flows					
Y/E Mar (Rs mn)	FY22	FY23	FY24E	FY25E	FY26E
PBT	2,548	3,432	5,707	7,654	9,032
Others (non-cash items)	0	0	0	0	0
Taxes paid	(644)	(897)	(1,322)	(1,774)	(2,093)
Change in NWC	(642)	2,409	(3,133)	(1,726)	(1,253)
Operating cash flow	2,728	7,258	1,526	5,320	7,228
Capital expenditure	(4,233)	(4,378)	(4,035)	(2,975)	(1,015)
Acquisition of business	0	0	0	0	0
Interest & dividend income	7	13	94	18	95
Investing cash flow	(4,645)	(3,556)	(3,941)	(2,957)	(920)
Equity raised/(repaid)	2	0	0	0	0
Debt raised/(repaid)	3,019	(2,754)	0	(500)	0
Payment of lease liabilities	0	0	0	0	0
Interest paid	(442)	(606)	(560)	(407)	(407)
Dividend paid (incl tax)	(119)	(179)	(179)	(238)	(238)
Others	1,222	2,006	3,226	979	2,735
Financing cash flow	3,682	(1,532)	2,488	(166)	2,090
Net chg in Cash	1,765	2,170	73	2,196	8,398
OCF	2,374	1,701	2,728	7,258	1,526
Adj. OCF (w/o NWC chg.)	3,369	4,494	6,280	7,951	9,019
FCFF	(1,505)	2,879	(2,509)	2,345	6,213
FCFE	1,085	(489)	(2,975)	1,456	5,901
OCF/EBITDA (%)	71.9	141.5	20.1	54.7	65.0
FCFE/PAT (%)	57.1	(19.3)	(68.6)	25.3	87.1
FCFF/NOPLAT (%)	(68.2)	97.9	(52.9)	37.9	86.5

Source:	Company,	Emkay	Research

Valuations and key Ratios							
Y/E Mar	FY22	FY23	FY24E	FY25E	FY26E		
P/E (x)	128.3	96.1	56.3	42.4	36.0		
P/CE(x)	89.1	66.3	42.4	32.8	28.6		
P/B (x)	24.5	19.0	14.8	11.1	8.6		
EV/Sales (x)	2.3	2.0	1.3	1.0	0.9		
EV/EBITDA (x)	64.8	47.5	32.3	25.0	21.3		
EV/EBIT(x)	83.2	61.2	39.8	30.2	25.3		
EV/IC (x)	21.6	21.7	14.5	12.2	11.6		
FCFF yield (%)	0.4	(0.2)	(1.2)	0.6	2.4		
FCFE yield (%)	0.4	(0.2)	(1.2)	0.6	2.4		
Dividend yield (%)	0.0	0.1	0.1	0.1	0.1		
DuPont-RoE split							
Net profit margin (%)	1.8	2.1	2.3	2.4	2.4		
Total asset turnover (x)	9.0	8.2	11.1	11.4	10.3		
Assets/Equity (x)	1.4	1.3	1.1	1.1	1.1		
RoE (%)	21.9	22.3	29.6	30.0	26.9		
DuPont-RoIC							
NOPLAT margin (%)	2.1	2.4	2.5	2.6	2.6		
IC turnover (x)	0.0	0.0	0.0	0.0	0.0		
RoIC (%)	32.5	35.3	43.8	43.5	46.2		
Operating metrics							
Core NWC days	(0.6)	(1.2)	3.8	3.8	3.8		
Total NWC days	11.2	2.7	7.9	8.7	9.2		
Fixed asset turnover	14.1	10.6	12.3	12.8	13.4		
Opex-to-revenue (%)	5.0	5.4	5.2	5.2	5.2		

Source: Company, Emkay Research

RECOMMENDATION HISTORY - DETAILS

Date	CMP (INR)	TP (INR)	Rating	Analyst	
24-May-23	3,514	3,403	Hold	Abhineet Anand	
27-Jan-23	2,722	3,165	Hold	Abhineet Anand	

Source: Company, Emkay Research

RECOMMENDATION HISTORY - TREND



Source: Bloomberg, Company, Emkay Research

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

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

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

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

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

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

This report has not been reviewed or authorized by any regulatory authority. There is no planned schedule or frequency for updating research report relating to any issuer/subject company

Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets.

Disclaimer for U.S. persons only: Research report is a product of Emkay Global Financial Services Ltd., under Marco Polo Securities 15a6 chaperone service, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of Financial Institutions Regulatory Authority (FINRA) or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor. In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Emkay Global Financial Services Ltd. has entered into a chaperoning agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer.

RESTRICTIONS ON DISTRIBUTION

This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation. Except otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions. Specifically, this document does not constitute an offer to or solicitation to any U.S. person for the purchase or sale of any financial instrument or as an official confirmation of any transaction to any U.S. person. Unless otherwise stated, this message should not be construed as official confirmation of any transaction. No part of this document may be distributed in Canada or used by private customers in United Kingdom.

ANALYST CERTIFICATION BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL)

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible of the content of this research report, in part or in whole, certifies that he or his associated persons1 may have served as an officer, director or employee of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant). The research analyst(s) primarily responsible for the content of this research report or his associate may have Financial Interests 2 in relation to an issuer or a new listing applicant that the analyst reviews. EGFSL has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the EGFSL and procedures are in place to ensure that confidential information held by either the research or investment banking function is handled appropriately. There is no direct link of EGFSL compensation to any specific investment banking function of the EGFSL.

1 An associated person is defined as (i) who reports directly or indirectly to such a research analyst in connection with the preparation of the reports; or (ii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

² Financial Interest is defined as interest that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at the arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL):

Disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) covered in this report-:

- EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her associate/relative's may have Financial Interest/proprietary positions in the securities recommended in this report as of July 26, 2023
- EGFSL, and/or Research Analyst does not market make in equity securities of the issuer(s) or company(ies) mentioned in this Report 2. Disclosure of previous investment recommendation produced:
- EGFSL may have published other investment recommendations in respect of the same securities / instruments recommended in this research report 3. during the preceding 12 months. Please contact the primary analyst listed in the first page of this report to view previous investment recommendations published by EGFSL in the preceding 12 months.
- 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 July 26, 2023
- EGFSL, its affiliates and Research Analyst or his/her associate/relative's may have actual/beneficial ownership of 1% or more securities of the subject 5 company at the end of the month immediately preceding the July 26, 2023
- EGFSL or its associates may have managed or co-managed public offering of securities for the subject company in the past twelve months.
- EGFSL, its affiliates and Research Analyst or his/her associate may have received compensation in whatever form including compensation for investment banking or merchant banking or brokerage services or for products or services other than investment banking or merchant banking or brokerage services from securities recommended in this report (subject company) in the past 12 months.
- EGFSL, its affiliates and/or and Research Analyst or his/her associate may have received any compensation or other benefits from the subject company or third party in connection with this research report.

Emkay Rating Distribution

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

Emkay Global Financial Services Ltd.

CIN - L67120MH1995PLC084899

7th Floor, The Ruby, Senapati Bapat Marg, Dadar - West, Mumbai - 400028. India Tel: +91 22 66121212 Fax: +91 22 66121299 Web: www.emkayglobal.com

OTHER DISCLAIMERS AND DISCLOSURES:

Other disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) -:

EGFSL or its associates may have financial interest in the subject company.

Research Analyst or his/her associate/relative's may have financial interest in the subject company.

EGFSL or its associates and Research Analyst or his/her associate/ relative's may have material conflict of interest in the subject company. The research Analyst or research entity (EGFSL) have not been engaged in market making activity for the subject company.

EGFSL or its associates may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of public appearance or publication of Research Report.

Research Analyst or his/her associate/relatives may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of public appearance or publication of Research Report.

Research Analyst may have served as an officer, director or employee of the subject company,

EGFSL or its affiliates may have received any compensation including for investment banking or merchant banking or brokerage services from the subject company in the past 12 months. . Emkay may have issued or may issue other reports that are inconsistent with and reach different conclusion from the information, recommendations or information presented in this report or are contrary to those contained in this report. Emkay Investors may visit www.emkayglobal.com to view all Research Reports. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the research published by any other analyst or by associate entities of Emkay; our proprietary trading, investment businesses or other associate entities may make investment decisions that are inconsistent with the recommendations expressed herein. EGFSL or its associates may have received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months. EGFSL or its associates may have received any compensation or other benefits from the Subject Company or third party in connection with the research report. EGFSL or its associates may have received compensation from the subject company in the past twelve months. Subject Company may have been client of EGFSL or its affiliates during twelve months preceding the date of distribution of the research report and EGFSL or its affiliates may have co-managed public offering of securities for the subject company in the past twelve months.