MOTILAL OSWAL

FINANCIAL SERVICES

Kajaria Ceramics

Estimate change	
TP change	
Rating change	

Bloomberg	KJC IN
Equity Shares (m)	159
M.Cap.(INRb)/(USDb)	229.7 / 2.7
52-Week Range (INR)	1524 / 1110
1, 6, 12 Rel. Per (%)	3/-7/-23
12M Avg Val (INR M)	351
Free float (%)	52.5

Financial Snapshot (INR b)

Y/E MARCH	FY25E	FY26E	FY27E
Sales	49.6	55.8	63.4
EBITDA	7.9	9.5	11.0
Adj. PAT	4.7	5.9	7.0
EBITDA Margin (%)	15.9	16.9	17.4
Cons. Adj. EPS (INR)	30.7	38.0	44.8
EPS Gr. (%)	13.0	23.6	17.9
BV/Sh. (INR)	180	201	227
Ratios			
Net D:E	(0.6)	(0.7)	(0.8)
RoE (%)	17.4	19.5	20.5
RoCE (%)	20.2	22.8	24.2
Payout (%)	45.5	42.1	40.2
Valuations			
P/E (x)	46.8	37.9	32.2
P/BV (x)	8.0	7.1	6.3
EV/EBITDA(x)	28.5	23.5	20.0
EV/Sales (x)	4.5	4.0	3.5

Shareholding pattern (%)

As On	Jun-24	Mar-24	Jun-23				
Promoter	47.5	47.5	47.5				
DII	27.8	24.9	25.2				
FII	16.2	19.2	18.0				
Others	8.5	8.4	9.3				
FII Includes de	FIL Includes denository receipts						

FII Includes depository receipts

CMP: INR1,442

TP: INR1,670 (+16%)

Buy

Result in line; sequential margin expansion likely

Low double-digit volume growth in FY25E

- Kajaria Ceramics (KJC)'s consol. revenue grew 5% YoY to INR11.1b (in line).
 EBITDA dipped 1% YoY to INR1.7b (est. INR1.6b). Tiles volume grew 8% YoY (+2% vs. est.), while realization dropped 3.6% YoY (+1% vs. est.) in 1QFY25. OPM contracted 90bp YoY to ~15% (in line). PAT fell 16% YoY to INR0.9b (in line).
- Management was positive on the demand outlook for the tile industry. With the recent budget announcements, it expects an increase in demand from Bihar, Andhra Pradesh, and urban housing. It projects 5-6% industry volume growth, while KJC's volume would outperform with 11-12% growth. KJC expects the tile price to have stabilized as it largely remained flat in 1QFY25 vs. 2HFY24. It guided EBITDA margin in the range of 15-17% for FY25.
- We cut our EPS estimates by ~6% for FY25 due to moderate volume growth guidance and gradual margin improvement sequentially. However, we maintain our FY26E EPS and introduce FY27E. We reiterate our BUY rating on the stock with a TP of INR1,670 (premised on 43x Jun'26E EPS).

EBITDA margin contracts 90bp YoY to 15% (in line)

- KJC's consol. revenue/EBITDA/PAT stood at INR11.1b/INR1.7b/INR0.9b (+5%/-1%/-16% YoY and +1%/+3%/-4%% vs. our est.). Tile sales volume rose 8% YoY to 27.0MSM, while realization dipped 3.6% YoY to INR372/sqm.
- Gross margin improved 1pp YoY to 38.5%, led by lower raw material costs. Employee costs increased 23% YoY (12.5% of revenue vs. 10.7% in 1QFY24). Other expenses rose 6% YoY (11.0% of revenue vs. 10.9% in 1QFY24). OPM was down 90bp YoY to 15.0% in 1Q.
- Depreciation increased 38% YoY, while finance costs declined 11% YoY.
 Other income grew 10% YoY during the quarter.

Highlights from the management commentary

- Despite the softness in domestic demand due to elections, the company's tile volumes grew ~8% YoY in 1QFY25 vs. 3-4% for the industry.
- Gas prices remained unchanged in 1QFY25 and were similar to the last quarter, with the average price being around INR37/scm. However, average fuel cost declined to INR37/scm from INR39/scm in 4QFY24.
- The Nepal project has been delayed due to heavy rains. It is now expected to start by Sep'24, with a GVT and ceramic production capacity of 5.1MSM.

View and valuation

- We estimate KJC's revenue/EBITDA/PAT CAGR at 11%/16%/18% over FY24-27. We estimate the tile volume to clock ~11% CAGR over FY24-27. We expect its RoE/RoCE to improve to 20%/24% by FY27 from 17%/20% in FY24.
- The stock is currently trading at 38x FY26E EPS. KJC is estimated to maintain its premium valuation multiple given the healthy earning CAGR, leadership position in the industry, and strong balance sheet as well as return ratios. We reiterate our BUY rating on the stock with a TP of INR1,670 (premised

on 43x Jun'26E EPS).

Sanjeev Kumar Singh - Research analyst (Sanjeev.Singh@MotilalOswal.com)

Mudit Agarwal - Research analyst (Mudit Agarwal@MotilalOswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

MOTILAL OSWAL

(IND m)

Consolidated quarterly performance

Consolidated quarterly performance (INR m)											VR m)	
		FY2	4		FY25				FY24	FY25E	FY25	Var.
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	(%)
Net sales	10,642	11,216	11,518	12,408	11,137	11,800	12,469	14,176	45,784	49,575	10,978	1
YoY change (%)	5.6	4.1	5.6	3.0	4.6	5.2	8.3	14.2	4.5	8.3	3.2	
Total expenditure	8,950	9,419	9,730	10,688	9,466	9,995	10,511	11,731	38,787	41,703	9,354	1
EBITDA	1,692	1,797	1,788	1,720	1,671	1,805	1,958	2,445	6,997	7,872	1,625	3
Margin (%)	15.9	16.0	15.5	13.9	15.0	15.3	15.7	17.3	15.3	15.9	14.8	20.0
Depreciation	305	361	389	425	421	428	431	443	1,480	1,724	425	(1)
Interest	53	43	50	66	47	40	45	53	211	185	45	4
Other income	93	83	113	174	102	125	135	193	462	555	140	(27)
PBT before EO expense	1,427	1,477	1,462	1,403	1,304	1,462	1,617	2,142	5,768	6,518	1,295	1
Extra-ord expenses	0	0	0	0	0	0	0	0	0	0	0	
PBT after EO Expense	1,427	1,477	1,462	1,403	1,304	1,462	1,617	2,142	5,768	6,518	1,295	1
Тах	336	366	379	354	327	364	403	528	1,435	1,621	322	
Rate (%)	23.5	24.8	25.9	25.2	25.0	24.9	24.9	24.6	24.9	24.9	24.9	
Reported PAT	1,091	1,110	1,083	1,050	978	1,098	1,214	1,614	4,334	4,897	972	1
Minority interest	16	31	41	25	48	20	25	29	113	122	35	36
Adj. PAT	1,075	1,080	1,042	1,024	898	1,078	1,189	1,579	4,221	4,744	937	(4)
YoY change (%)	16.5	60.8	40.2	-2.3	-16.4	-0.1	14.1	54.1	24.7	13.1	(12.8)	
Margin (%)	10.1	9.6	9.0	8.3	8.1	9.1	9.5	11.1	9.2	9.6	8.5	

Quarterly summary

			FY24			FY25				
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE	YoY (%)	QoQ (%)
Sales Volumes-mn sqm:										
Own Manufacturing	13.8	14.8	15.3	16.1	14.9	15.9	16.6	18.6	8	(7)
JVs	4.8	4.8	5.3	6.1	5.5	5.2	5.8	7.1	15	(10)
Trading	6.4	6.9	6.5	7.4	6.6	7.4	7.1	7.2	2	(11)
Total sales volumes	25.0	26.5	27.1	29.6	27.0	28.5	29.5	32.9	8	(9)
Revenue Mix (INR m)										
Own Manufacturing	5,393.2	5,705	5,791	6,062	5,585	5,875	6,204	6,984	4	(8)
JVs	1,340	1,825	1,995	2,255	1,999	1,874	2,119	2,595	49	(11)
Trading	2,833	2,469	2,343	2,599	2,312	2,546	2,474	2,591	(18)	(11)
Sanitaryware / faucets	837.1	853	922	1,023	910	1,066	1,153	1,414	9	(11)
Plywood	143.1	235	340	327	172	293	374	466	20	(47)
Adhesives	95.9	130	128	143	152	146	147	126	59	7
Total	10,642	11,216	11,518	12,408	11,130	11,800	12,469	14,176	5	(10)
Realization/sqm (INR)										
Own Manufacturing	391	386	380	377	375	370	373	376	(4)	(1)
JVs	279	379	375	369	362	362	365	367	30	(2)
Trading	442	360	360	352	352	345	349	357	(20)	(0)
Blended Realization	386	383	379	374	372	367	371	373	(4)	(0)
Growth (% YoY)	-1.7%	-3.1%	-2.9%	-4.4%	-3.6%	-4.1%	-2.1%	-0.1%		
Growth (% QoQ)	-1.2%	-0.9%	-1.0%	-1.2%	-0.4%	-1.5%	1.0%	0.7%		



Highlights from the management commentary

Tiles industry outlook

- Despite the softness in domestic demand due to elections, the company's tile volumes grew ~8% YoY in 1QFY25 vs. 3-4% for the industry. Demand improved MoM for the quarter with the highest growth recorded in Jun'24. It continues to maintain a positive demand outlook for the tiles industry and expects the company's tile volume growth in low double digits. It projects 5-6% industry volume growth, while KJC's volume would outperform with 11-12% growth.
- It guided EBITDA margin to in the range of 15-17% in FY25. The company's gross margin expanded with improvement in product mix and it expects gross margin to remain in that range with 1pp here and there.

- With the recent budget announcements, it expects increase in demand from Bihar and Andhra Pradesh. Further, urban housing will drive growth in the tile segment.
- KJC expects the tile price to have stabilized as it largely remained flat in 1QFY25 vs. 2HFY24.
- Tiles exports grew ~26% YoY to over INR200b in FY24. In the first two months of FY25 Morbi exports remained flat at INR33.5b. Further, despite the recent initiation of ADD by the US, on Indian tile imports, the Morbi exports to the US in Apr-May'24 (combined) grew 16% YoY to INR3.35b.

Other operational highlights

- KJC is using 30% biofuel in the north plant, a mix of both biofuel and coal in the south plants while, in Morbi using only coal in spray dryers.
- Gas prices remained unchanged in 1QFY25 and were similar to the last quarter, with the average price being around INR37/scm. While, the average fuel cost declined to INR37/scm from INR39/scm in 4QFY24.
- There has been no major change in the Product mix of PVT vs. GVT ceramics during the quarter. GVT, PVT, and Ceramic all three segments are expected to deliver a consolidated growth of 11-12%, with GVT might show the higher growth than Ceramic and PVT.
- Regional sales distribution was around ~35% from the North, followed by ~30% from South, and around 17% each in the East and West. Metro cities account for around 15% of overall sales, followed by ~31-32% by Tier 1 and 2 (each), ~15% from Tier 3 and balance from Tier 4 and below cities.
- The volume mix comprises 43% Ceramic, 34% GVT and 23% PVT. In terms of revenue mix, Ceramic accounts for 38%, GVT 37%, and PVT 25%.
- In Q1FY25, Plywood revenue grew 20% YoY to INR172m, Bathware revenue up 9% YoY to INR910m and adhesives revenue was up 59% YoY to INR152m.

Expansions

- The Nepal project has been delayed due to heavy rains. It is now expected to start by Sep'24, with a GVT and ceramic production capacity of 5.1MSM. The total market size in Nepal is ~INR25b, and looking for market share of 10% to 12% after fully operational. It is currently exporting tile to Nepal in the range of 7,000 to 8,000 square meters per month. Efforts are underway to strengthen the presence in Nepal by expanding the dealer network, enhancing local branding, and increasing advertising to elevate the Kajaria brand. The company already have decent distribution network which it will strengthen in the next three months (plans to increase dealer to 100 in next three months from currently about 50-60).
- The company acquired 90% stake in Keronite Tiles in Morbi (Gujarat) in May'24, having annual capacity of 6msm of GVT. It commenced commercial production in 1QFY25 and expects this unit to achieve optimum level by 4QFY25.
- In the Bathware segment, Kerovit Global at Morbi (having capacity of 4.5lac pc p.a.) commenced operations on Mar'24-end and will produce high-end products. Initially production was suboptimal and this will take 5-6 months to achieve full operational efficiency.

Kajaria Ceramics

Story in charts

Exhibit 1: Sales volume grew 7.8% YoY

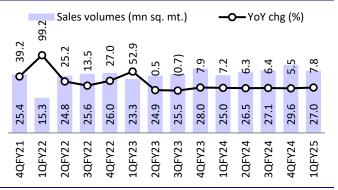


Exhibit 2: Blended realization declined 4% YoY Realization/sq. mt. (INR) O— YoY chg (%) 12 15 15 11 8 4 3 1 2 -4 -6 -4 340 356 395 374 393 390 378 369 367 341 375 385 391 382 3QFY22 2QFY23 **3QFY23** 3QFY24 4QFY24 IQFY22 2QFY22 **1QFY23** LQFY24 2QFY24 4QFY21 1QFY25 4QFY22 IQFY23

Exhibit 3: Revenue increased 5% YoY

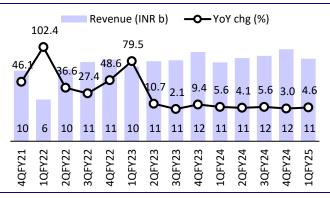
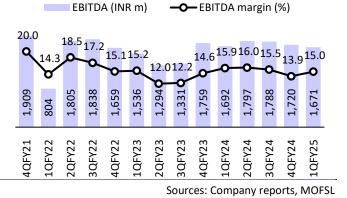


Exhibit 5: EBITDA declined 1% YoY, margin down 90bp YoY



.



Sources: Company reports, MOFSL

Exhibit 4: Gross margin up 100bp YoY

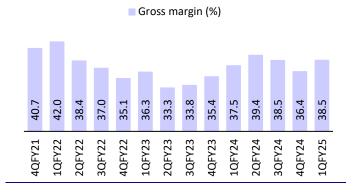
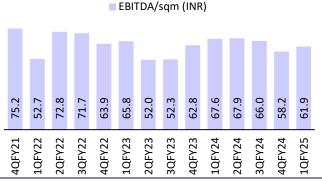
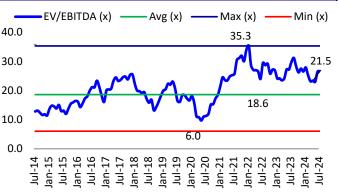


Exhibit 6: EBITDA/sqm down 8% YoY



Sources: Company reports, MOFSL

Exhibit 8: One-year forward EV/EBITDA (x) trend



Sources: Company reports, MOFSL

Financials and valuations

Consolidated Income Statement								(INR m)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Net Sales	28,080	27,809	37,052	43,819	45,784	49,575	55,818	63,424
Change (%)	-5.0	-1.0	33.2	18.3	4.5	8.3	12.6	13.6
EBITDA	4,159	5,088	6,107	5,920	6,997	7,872	9,459	11,008
Margin (%)	14.8	18.3	16.5	13.5	15.3	15.9	16.9	17.4
Depreciation	1,081	1,067	1,154	1,329	1,480	1,724	1,832	2,028
EBIT	3,078	4,022	4,953	4,592	5,517	6,148	7,626	8,980
Int. and Finance Charges	195	107	127	223	211	185	183	157
Other Income - Rec.	242	213	276	336	462	555	610	671
PBT bef. EO Exp.	2,883	3,914	4,826	4,368	5,306	5,964	7,444	8,824
EO Expense/(Income)	0	0	0	79	0	0	0	0
PBT after EO Exp.	3,125	4,127	5,102	4,625	5,768	6,518	8,054	9,495
Current Tax	937	1,083	1,210	1,174	1,349	1,621	2,003	2,361
Deferred Tax	-348	-446	65	-11	86	0	0	0
Tax Rate (%)	18.9	15.4	25.0	25.1	24.9	24.9	24.9	24.9
Reported PAT	2,535	3,490	3,827	3,463	4,334	4,897	6,051	7,133
PAT Adj for EO items	2,535	3,490	3,827	3,404	4,334	4,897	6,051	7,133
Change (%)	13.2	37.7	9.7	-11.1	27.3	13.0	23.6	17.9
Margin (%)	9.0	12.6	10.3	7.8	9.5	9.9	10.8	11.2
Less: Minority Interest	-18.4	8.5	57.6	17.8	112.5	121.5	131.2	141.7
Net Profit	2,554	3,482	3,770	3,386	4,221	4,776	5,920	6,992
Consolidated Balance Sheet								(INR m)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Equity Share Capital	159	159	159	159	159	159	159	159
Total Reserves	16,984	18,530	21,065	23,109	26,006	28,553	31,925	36,052
Net Worth	17,143	18,689	21,224	23,268	26,165	28,712	32,085	36,211
Deferred Liabilities	716	674	726	738	801	801	801	801
Minority Interest	637	646	648	776	591	712	844	985
Total Loans	1,281	987	1,279	2,093	1,706	1,506	1,306	1,106
Capital Employed	19,777	20,996	23,877	26,875	29,263	31,732	35,035	39,103
Gross Block	19,009	20,052	20,777	25,076	28,467	30,967	34,467	37,967
Less: Accum. Deprn.	7,061	8,128	9,282	10,610	12,090	13,814	15,646	17,674
Net Fixed Assets	11,948	11,924	11,496	14,466	16,377	17,153	18,821	20,293
Capital WIP	266	149	2,634	817	679	2,000	1,000	1,000
Total Investments	101	50	0	19	185	185	185	185
Curr. Assets, Loans&Adv.	12,056	13,120	15,728	17,976	18,151	19,918	23,330	26,989
Inventory	5,127	3,731	4,659	5,647	5,322	5,878	6,497	7,351
Account Receivables	3,967	4,317	5,133	6,012	6,194	6,531	7,219	8,167
Cash and Bank Balance	2,252	4,428	4,244	3,938	5,141	6,202	8,170	9,838
Loans and Advances	710	645	1,693	2,380	1,494	1,306	1,444	1,633
Curr. Liability & Prov.	4,594	4,248	5,981	6,403	6,129	7,524	8,300	9,363
Account Payables	4,306	4,019	5,722	6,111	5,809	7,185	7,941	8,984
Provisions	288	229	259	293	320	340	360	380
Net Current Assets	7,462	8,873	9,747	11,573	12,022	12,394	15,030	17,626
Appl. of Funds	19,777	20,996	23,877	26,875	29,263	31,732	35,035	39,103

E: MOFSL estimates

Financials and valuations

Ratios								
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Basic (INR)								
Consol EPS	15.9	21.9	24.0	21.4	27.2	30.7	38.0	44.8
Cash EPS	22.7	28.6	31.3	29.7	36.5	41.6	49.5	57.5
BV/Share	107.8	117.5	133.3	146.2	164.3	180.2	201.4	227.3
DPS	3.0	10.0	11.0	9.0	12.0	14.0	16.0	18.0
Payout (%)	22.7	45.6	45.8	41.4	44.1	45.5	42.1	40.2
Valuation (x)								
P/E	90.3	65.6	59.9	67.3	52.9	46.8	37.9	32.2
Cash P/E	63.3	50.3	46.0	48.4	39.5	34.6	29.1	25.0
P/BV	13.4	12.3	10.8	9.9	8.8	8.0	7.1	6.3
EV/Sales	8.1	8.1	6.1	5.2	4.9	4.5	4.0	3.5
EV/EBITDA	54.8	44.3	37.0	38.4	32.2	28.5	23.5	20.0
Dividend Yield (%)	0.2	0.7	0.8	0.6	0.8	1.0	1.1	1.3
Return Ratios (%)	0.2	0.7	0.8	0.0	0.8	1.0	1.1	1.5
RolC	14.5	23.6	27.4	21.6	23.4	24.8	29.1	32.0
RoE								
ROCE	15.5 16.0	19.4	18.9	15.2	17.1	17.4	19.5	20.5
	10.0	19.7	22.1	18.1	19.7	20.2	22.8	24.2
Working Capital Ratios	4 5		4 7	4 7	1.0	1.0	4 7	47
Asset Turnover (x)	1.5	1.4	1.7	1.7	1.6	1.6	1.7	1.7
Working Capital (Days)	66	58	62	69	56	47	47	47
Leverage Ratio (x)	(2.2)	(0-)	(0 =)	(2.2)	(0.5)	(2.2)	(0 =)	(0.0)
Net Debt/Equity	(0.2)	(0.7)	(0.5)	(0.3)	(0.5)	(0.6)	(0.7)	(0.8)
Consolidated Cash Flow Stater	mont							(INR m)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
OP/(Loss) before Tax	3,125	4,127	5,102	4,625	5,756	6,518	8,054	9,495
Depreciation	1,081	1,067	1,154	1,329	1,480	1,724	1,832	2,028
Interest & Finance Charges	195	1,007	1,134	223	211	1,724	1,832	157
Direct Taxes Paid	(1,005)	(980)	(1,285)					
(Inc)/Dec in WC	(1,003)	(980) 868	(1,285)	(1,265) (1,851)	(1,385) 260	(1,621) 689	(2,003)	(2,361) (929)
<u>, </u>							(667)	
CF from Operations	2,403	5,189	4,476	3,061	6,323	7,495	7,399	8,390
Others	(159)	(101)	(221)	(106)	(307)	-	-	-
CF from Operating incl EO	2,244	5,088	4,255	2,955	6,017	7,495	7,399	8,390
(Inc)/Dec in FA	(1,240)	(1,127)	(2,687)	(2,317)	(3,004)	(3,821)	(2,500)	(3,500)
Free Cash Flow	1,004	3,961	1,568	639	3,013	3,674	4,899	4,890
(Pur)/Sale of Investments	(88)	(41)	(51)	(363)	(628)	-	-	-
Others	427	(1,788)	(241)	842	655	-	-	-
CF from Investments	(901)	(2,955)	(2,979)	(1,837)	(2,976)	(3,821)	(2,500)	(3,500)
Issue of Shares	3	53	52	12	11	-	-	-
Inc/(Dec) in Debt	(104)	(439)	112	239	(575)	(200)	(200)	(200)
Interest Paid	(153)	(68)	(92)	(166)	(205)	(185)	(183)	(157)
Dividend Paid	(1,150)	(1,591)	(1,273)	(1,433)	(1,394)	(2,229)	(2,547)	(2,866)
Others	-	-	-	-	-	-	-	-
CF from Fin. Activity	(1,404)	(2,045)	(1,201)	(1,348)	(2,163)	(2,613)	(2,930)	(3,222)
Inc/Dec of Cash	(60)	87	75	(230)	878	1,061	1,969	1,667
Opening Balance	221	161	248	335	105	983	2,044	4,012
		240	323	105	983	2,044	4,012	5,680
Closing Balance	161	248	525	105	303	2,044	7,012	3,000
Closing Balance Bank balance	161 2,091	4,179	3,921	3,832	4,158	4,158	4,158	4,158

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	< - 10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations). Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/List%200f%20Associate%20companies.pdf MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or

derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proc https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx Enquiry Proceedings of Motilal Oswal Financial Services Limited available are on the website

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the"1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets (Singapore) Pte. Ltd. ("MOCMSPL") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.raiani@motilaloswal.com Contact: (+65) 8328 0276

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months 3
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report 4
- Research Analyst has not served as director/officer/employee in the subject company 5
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months 6
- MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months 8
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance. received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent
- conflict of interest in society of the stocks mentioned in the research report. acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)

received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services. Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures. Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report. Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correct reso. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or usubscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may 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. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. 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. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed 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, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays. This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to

grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.