

Motherson Wiring

Bloomberg	MSUMI IN
Equity Shares (m)	4421
M.Cap.(INRb)/(USDb)	287.6 / 3.5
52-Week Range (INR)	68 / 45
1, 6, 12 Rel. Per (%)	5/1/3
12M Avg Val (INR M)	365

Financials & Valuations (INR b)

Y/E March	2023	2024E	2025E
Sales	70.6	83.6	95.3
EBITDA	7.8	10.0	12.6
Adj. PAT	4.9	6.4	8.3
EPS (Rs)	1.1	1.4	1.9
EPS Growth (%)	4.3	31.6	29.2
BV/Share (INR)	3.0	3.8	4.8
Ratios			
Net D:E	0.0	-0.1	-0.2
RoE (%)	39.8	42.5	43.5
RoCE (%)	42.7	46.1	48.9
Payout (%)	59.0	60.0	60.0
Valuations			
P/E (x)	59.1	44.9	34.7
P/BV (x)	21.6	17.1	13.5
Div. Yield (%)	1.0	1.3	1.7
FCF Yield (%)	0.1	1.9	2.5
FCF Yield (%)	0.1	1.9	2

Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	61.7	61.7	61.7
DII	17.3	17.8	18.3
FII	11.0	11.1	11.0
Others	9.9	9.3	8.9

FII Includes depository receipts

TP: INR75 (+15%) In-line operating performance

CMP:INR65

Content increase and localization efforts to drive growth

- MSUMI's overall 3QFY24 result was in line with our estimates. Revenue growth outperformed the underlying industry growth, mainly led by content increase due to premiumization. MSUMI's focus on localization of components and the ramp-up of new plants should drive future growth.
- We slightly tweak our estimates to factor in better revenue growth due to the ramp-up of new facilities and better mix. Reiterate our BUY rating with a TP of INR75 (35x Dec'25E EPS).

Better mix drives gross margin expansion sequentially

- In 3QFY24, revenue/EBITDA/adj. PAT grew 25.5%/46%/58% YoY to INR21.2b/ INR2.6b/INR1.7b (vs. est. INR20.4b/INR2.6b/INR1.6b).
- For 9MFY24, revenue/EBITDA/adj. PAT grew 17%/25%/28% YoY.
- Gross margins declined 120bp YoY (+70bp QoQ) to 34.5% (vs. est. 35%). Sequential gross margin improvement was due to a better mix. LME Copper prices declined 2% on a sequential basis.
- However, operating leverage aided EBITDA margins, which expanded 180bp YoY to 12.4% (vs. est. 12.5%).
- EBITDA grew 46% YoY to INR2.6b (in line).
- Adj. PAT grew 58% YoY to INR1.7b (in line).

Highlights from the management commentary

- **3Q performance and demand:** Strong revenue growth was driven by healthy demand for feature-rich models, leading to higher content per vehicle. This was achieved despite maintenance shutdowns and no impact of copper price pass-through at customer's end. The company is seeing stable demand from 2Ws, PVs, buses, and SCVs, while truck demand is muted.
- Focus on localization: MSUMI is working in tandem with customers to localize parts, but there are some parts that are still imported. The company has localized connectors and is setting up a new plant to localize a new range of electric wires, which are as per global standards.
- The share of EVs in the total mix remained stable QoQ. The US/EU are seeing some weakness in EVs, but India is doing fine.
- New capacities are ramping up well and the company would further expand capacity to fulfil future demand.
- FY24 capex would be ~INR1.25b, with plans for FY25 still being evaluated.

Valuation and view

- We are seeing a gradual recovery in the operating performance, primarily led by increased production and utilization of new plants with better mix benefits. We believe MSUMI deserves rich valuations given its strong competitive positioning, top-decile capital efficiency, and benefits of EVs and other mega trends in Autos.
- The stock trades at 44.9x/34.7x FY24E/25E EPS. We reiterate our BUY rating with a TP of INR75 (~35x Dec'25E EPS).

Amber Shukla - Research analyst (Amber.Shukla@MotilalOswal.com)

Aniket Desai - Research analyst (Aniket.Desai@MotilalOswal.com)

 $Motilal\ Oswal$

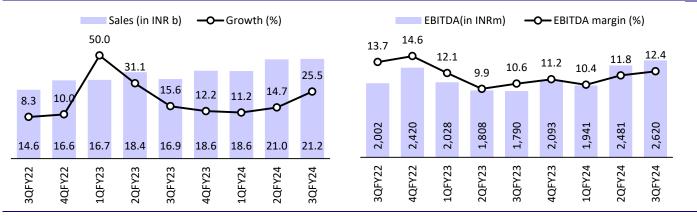
MSUMI: Quarterly performance

Y/E March		FY	23			FY2	4E		FY23	FY24E	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE			3QE
Net Sales	16,709	18,352	16,868	18,644	18,588	21,046	21,173	22,823	70,574	83,630	20,414.8
YoY Change (%)	50.0	31.1	15.6	12.2	11.2	14.7	25.5	22.4	25.2	18.5	21.0
RM Cost (% of sales)	64.9	66.2	64.3	66.9	65.7	66.2	65.5	65.7	65.6	65.8	65.0
Staff Cost (% of sales)	16.4	17.3	17.8	15.6	17.6	16.3	16.1	15.7	16.8	16.4	16.6
Other Expenses (% of sales)	6.6	6.6	7.3	6.2	6.3	5.7	6.1	5.7	6.5	5.9	5.9
EBITDA	2,028	1,808	1,790	2,093	1,941	2,481	2,620	2,959	7,814	10,002	2,550.7
Margins (%)	12.1	9.9	10.6	11.2	10.4	11.8	12.4	13.0	11.1	12.0	12.5
Depreciation	277	295	317	348	338	364	377	373	1,237	1,452	360
Interest	69	59	65	86	77	74	64	65	278	280	75
Other Income	77	107	7	127	136	56	11	119	223	321	70
PBT before EO expense	1,759	1,562	1,415	1,786	1,661	2,100	2,190	2,640	6,522	8,591	2,186
Extra-Ord expense	0	0	0	0	0	0	0	0	0	0	0
PBT after EO Expense	1,759	1,562	1,415	1,786	1,661	2,100	2,190	2,640	6,522	8,591	2,185.7
Tax Rate (%)	28	25	25	22	26	26	23	27	25	25	25.5
Reported PAT	1,260	1,165	1,062	1,385	1,231	1,559	1,679	1,940	4,871	6,409	1,628
Adj PAT	1,260	1,165	1,062	1,385	1,231	1,559	1,679	1,940	4,871	6,409	1,628
YoY Change (%)	106.5	2.1	-19.6	-13.2	-2.2	33.9	58.1	40.1	4.3	31.6	53.4

E: MOFSL Estimates

Exhibit 1: Revenue and revenue growth profile

Exhibit 2: EBITDA and EBITDA margin (%)

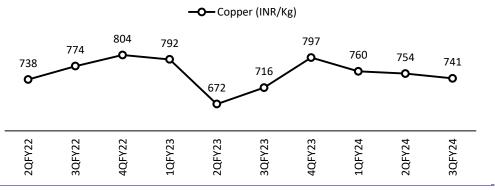


Source: Company, MOFSL

Source: Company, MOFSL

(INR Million)

Exhibit 3: Copper prices softening since 1QFY24



Source: Company, MOFSL

Valuation and view

- MSWIL offers a pure play on the India automotive market (>95% of revenues from India). With over 40% market share, the company enjoys a market leadership position in the Indian wiring harness industry, with strong headroom for sustained increase in content, benefiting from mega trends witnessed in the automotive industry (premiumization, electrification, connected vehicles, etc.).
- The company enjoys exceptional profitability, led by superior efficiencies and economies of scale, good margins, higher asset turn, and lower capex requirements. This provides for high capital efficiencies and superior cash-flow generation.
- We estimate a CAGR of 16%/23%/25% in revenue/EBITDA/PAT over FY23-26. Accordingly, RoIC is expected to increase to 49.8% by FY26E from 37.2% in FY23. RoE would also improve to 40.6% by FY26E from 39.8% in FY23.
- We slightly tweak our estimates to factor in better revenue growth due to the ramp-up of new facilities and better mix. We are seeing a gradual recovery in the operating performance, primarily driven by increased production and utilization of the new plant and better mix benefits. We believe MSUMI deserves rich valuations given its strong competitive positioning, top-decile capital efficiencies, and benefits of EVs and other mega trends in Autos. The stock trades at 44.9x/34.7x FY24E/25E EPS. We reiterate our BUY rating with a TP of INR75 (~35x Dec'25E EPS).

Exhibit 4: Revisions to our estimates

(INR M)		FY24E		FY25E			
	Rev	Old	Chg (%)	Rev	Old	Chg (%)	
Net Sales	83,630	81,866	2.2	95,338	94,146	1.3	
EBITDA	10,002	9,775	2.3	12,636	12,166	3.9	
EBITDA (%)	12.0	11.9	0bp	13.3	12.9	30bp	
Adj. PAT	6,409	6,219	3.0	8,281	7,941	4.3	
EPS (INR)	1.4	1.4	3.0	1.9	1.8	4.3	

 $Motilal\ Oswal$

Key operating indicators

Exhibit 5: Trend in sales

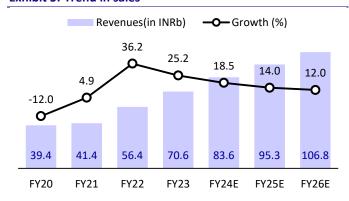


Exhibit 6: EBITDA and EBITDA margin (%) trend

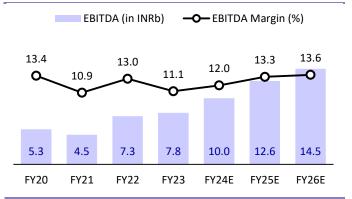


Exhibit 7: PAT and PAT growth (%)

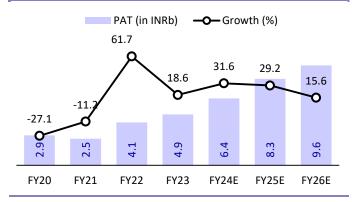
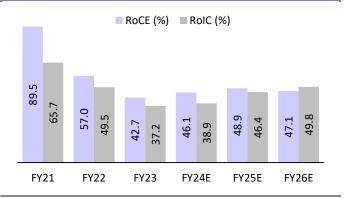


Exhibit 8: Trend in MSUMI's return profile



Financials and valuations

Y/E March	FY21	FY22	FY23	FY24E	FY25E	FY26E
Net Revenues	41,380	56,350	70,574	83,630	95,338	1,06,779
Change (%)	4.9	36.2	25.2	18.5	14.0	12.0
EBITDA	4,490	7,303	7,814	10,002	12,636	14,476
EBITDA Margin (%)	10.9	13.0	11.1	12.0	13.3	13.6
Depreciation	930	1,055	1,237	1,452	1,705	1,989
EBIT	3,560	6,248	6,578	8,550	10,930	12,488
EBIT Margin (%)	8.6	11.1	9.3	10.2	11.5	11.7
Interest Charges		285	278	280	250	230
Other Income		300	223	321	420	574
PBT bef. EO Exp.	3,472	6,263	6,522	8,591	11,100	12,832
EO Exp/(Inc)	0	654	0	0	0	0
PBT after EO Exp.	3,472	5,609	6,522	8,591	11,100	12,832
Total Tax	932	1,502	1,652	2,182	2,820	3,259
Tax Rate (%)	26.8	26.8	25.3	25.4	25.4	25.4
Reported PAT	2,540	4,107	4,871	6,409	8,281	9,572
Adjusted PAT	2,540	4,670	4,871	6,409	8,281	9,572
Change (%)	-11.2	83.9	4.3	31.6	29.2	15.6
Margin (%)	6.1	8.3	6.9	7.7	8.7	9.0

Balance Sheet						(INR Million)
Y/E March	FY21	FY22	FY23	FY24E	FY25E	FY26E
Equity Share Capital	3,158	3,158	4,421	4,421	4,421	4,421
Total Reserves	3,942	7,988	8,884	12,419	16,854	21,458
Net Worth	7,100	11,146	13,305	16,840	21,275	25,879
Minority Interest						
Total Loans	820	193	818	818	818	818
Other non-current liabilities	640	3,059	3,348	3,348	3,348	3,348
Capital Employed	8,560	14,397	17,471	21,006	25,442	30,045
Net Fixed Assets	1,699	4,321	5,792	5,610	5,405	4,916
Capital WIP	1	323	270	300	300	300
Other non-current assets	260	928	1,259	1,386	1,499	1,610
Current Assets	15,670	19,642	21,244	27,419	33,924	40,837
Inventory	7,990	9,600	12,096	14,206	16,194	18,138
Account Receivables	6,750	6,593	8,004	9,623	10,970	12,287
Cash and Bank Balance	370	2,933	368	2,671	5,711	9,238
Other current & fin.assets	560	516	776	919	1,048	1,174
Current Liabilities	9,330	11,220	11,506	14,121	16,098	18,029
Creditors	7,520	9,129	9,257	11,456	13,060	14,627
Other current & fin.liabilities	1,810	2,091	2,249	2,664	3,037	3,402
Net Current Assets	6,340	8,422	9,738	13,299	17,826	22,808
Deferred Tax assets	260	403	411	411	411	411
Appl. of Funds	8,560	14,397	17,471	21,006	25,442	30,045

E: MOSL Estimates

Financials and valuations

Ratios						
Y/E March	FY21	FY22	FY23	FY24E	FY25E	FY26E
Basic (INR)						
EPS	0.6	1.1	1.1	1.4	1.9	2.2
Cash EPS	0.8	1.3	1.4	1.8	2.3	2.6
BV/Share	1.6	2.5	3.0	3.8	4.8	5.9
DPS		0.61	0.65	0.87	1.12	1.30
Payout (%)		65.4	59.0	60.0	60.0	60.0
Valuation (x)						
P/E	113.3	61.6	59.1	44.9	34.7	30.1
Cash P/E	82.9	50.3	47.1	36.6	28.8	24.9
P/BV	40.5	25.8	21.6	17.1	13.5	11.1
EV/Sales	5.0	3.6	4.1	3.4	3.0	2.6
EV/EBITDA	45.9	27.8	36.9	28.6	22.4	19.3
Dividend Yield (%)		0.9	1.0	1.3	1.7	2.0
FCF Yield (%)		1.9	0.1	1.9	2.5	3.1
Return Ratios (%)						
RoE	35.8	51.2	39.8	42.5	43.5	40.6
RoCE (pre-tax)	89.5	57.0	42.7	46.1	48.9	47.1
RoIC	65.7	49.5	37.2	38.9	46.4	49.8
Working Capital Ratios			-			
Asset Turnover (x)	4.8	3.9	4.0	4.0	3.7	3.6
Inventory (Days)	70	62	63	62	62	62
Debtor (Days)	60	43	41	42	42	42
Creditor (Days)	66	59	48	50	50	50
Leverage Ratio (x)						
Current Ratio	1.7	1.8	1.8	1.9	2.1	2.3
Net Debt/Equity	0.1	-0.2	0.0	-0.1	-0.2	-0.3
Cash Flow Statement					(INR Million)	(INR Million)
Y/E March	FY21	FY22	FY23	FY24E	FY25E	FY26E
OP/(Loss) before Tax	5,320	6,263	6,522	8,591	11,100	12,832
Depreciation	3,320	1,055				· · · · · · · · · · · · · · · · · · ·
Interest & Finance Charges		1,000				1 020
	72		1,237	1,452	1,705	1,989
Direct Lavec Daid	73 -1 142	285	278	280	250	230
Direct Taxes Paid	-1,142	285 -1,962	278 -1,775	280 -2,182	250 -2,820	230 -3,259
(Inc)/Dec in WC	-1,142 -4,454	285 -1,962 44	278 -1,775 -3,925	280	250	230
(Inc)/Dec in WC Others	-1,142 -4,454 -57	285 -1,962 44 -23	278 -1,775 -3,925 -102	280 -2,182 -1,258	250 -2,820 -1,488	230 -3,259 -1,454
(Inc)/Dec in WC Others CF from Operations	-1,142 -4,454 -57 114	285 -1,962 44 -23 5,662	278 -1,775 -3,925 -102 2,236	280 -2,182	250 -2,820	230 -3,259
(Inc)/Dec in WC Others CF from Operations EO item	-1,142 -4,454 -57 114 0	285 -1,962 44 -23 5,662 -654	278 -1,775 -3,925 -102 2,236 0	280 -2,182 -1,258 6,883	250 -2,820 -1,488 8,748	230 -3,259 -1,454 10,337
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO	-1,142 -4,454 -57 114 0	285 -1,962 44 -23 5,662 -654 5,008	278 -1,775 -3,925 -102 2,236 0 2,236	280 -2,182 -1,258 6,883	250 -2,820 -1,488 8,748	230 -3,259 -1,454 10,337
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA	-1,142 -4,454 -57 114 0 114 -281	285 -1,962 44 -23 5,662 -654 5,008 -1,008	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977	280 -2,182 -1,258 6,883 -1,300	250 -2,820 -1,488 8,748 8,748 -1,500	230 -3,259 -1,454 10,337 10,337 -1,500
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow	-1,142 -4,454 -57 114 0	285 -1,962 44 -23 5,662 -654 5,008	278 -1,775 -3,925 -102 2,236 0 2,236	280 -2,182 -1,258 6,883	250 -2,820 -1,488 8,748	230 -3,259 -1,454 10,337
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments	-1,142 -4,454 -57 114 0 114 -281	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259	280 -2,182 -1,258 6,883 -1,300 5,583	250 -2,820 -1,488 8,748 8,748 -1,500 7,248	230 -3,259 -1,454 10,337 10,337 -1,500 8,837
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others	-1,142 -4,454 -57 114 0 114 -281 -168	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259	280 -2,182 -1,258 6,883 6,883 -1,300 5,583	250 -2,820 -1,488 8,748 8,748 -1,500 7,248	230 -3,259 -1,454 10,337 -1,500 8,837 -111
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments	-1,142 -4,454 -57 114 0 114 -281	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613	230 -3,259 -1,454 10,337 10,337 -1,500 8,837 -111 -1,611
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares	-1,142 -4,454 -57 114 0 114 -281 -168	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt	-1,142 -4,454 -57 114 0 114 -281 -168	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0 0
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0 -280	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0 -250	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0 0 -230
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281 292 -43 0	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310 0	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272 -2,677	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0 0
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281 292 -43 0 1	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310 0 0	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272 -2,677 0	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0 -280 -2,874	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0 -250 -3,845	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0 0 -230 -4,969
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281 292 -43 0 1 250	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310 0 0 -1,439	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272 -2,677 0 -2,871	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0 -280 -2,874 -3,154	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0 -250 -3,845	230 -3,259 -1,454 10,337 -1,500 8,837 -111 -1,611 0 0 -230 -4,969
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281 292 -43 0 1 250 82	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310 0 0 -1,439 2,561	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272 -2,677 0 -2,871 -2,572	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0 -280 -2,874 -3,154 2,303	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0 -250 -3,845 -4,095 3,040	230 -3,259 -1,454 10,337 -1,500 8,837 -1,501 -1,611 -1,611 0 0 -230 -4,969 -5,199 3,528
(Inc)/Dec in WC Others CF from Operations EO item CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity	-1,142 -4,454 -57 114 0 114 -281 -168 0 -281 292 -43 0 1 250	285 -1,962 44 -23 5,662 -654 5,008 -1,008 3,999 0 -1,008 -1,129 -310 0 0 -1,439	278 -1,775 -3,925 -102 2,236 0 2,236 -1,977 259 40 -1,937 78 -272 -2,677 0 -2,871	280 -2,182 -1,258 6,883 -1,300 5,583 -126 -1,426 0 0 -280 -2,874 -3,154	250 -2,820 -1,488 8,748 8,748 -1,500 7,248 -113 -1,613 0 0 -250 -3,845	230 -3,259 -1,454 10,337 -1,500 8,837 -1,511 -1,611 0 0 -230 -4,969 -5,199

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%20of%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 Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, www.nseindia.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") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

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.
- 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
- 4 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 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
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
 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

10 MOPSE has not engaged in market making activity for the subject com

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 some 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 correctness. 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 subscribe 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.