Motilal Oswal

FINANCIAL SERVICES

Estimate change	
TP change	\longleftrightarrow
Rating change	

Bloomberg	CIEINDIA IN
Equity Shares (m)	379
M.Cap.(INRb)/(USDb)	179.4 / 2.2
52-Week Range (INR)	580 / 332
1, 6, 12 Rel. Per (%)	-6/-17/-4
12M Avg Val (INR M)	499

Financials & Valuations (INR b)

INR b	CY23	CY24E	CY25E
Sales	92.8	101.0	111.2
EBITDA (%)	15.3	15.9	16.4
Adj. PAT	8.0	9.7	11.3
EPS (INR)	21.1	25.6	29.9
EPS Growth (%)	16.8	21.4	16.8
BV/Share (Rs)	158	179	203
Ratio			
RoE (%)	14.4	15.2	15.7
RoCE (%)	13.0	13.7	14.7
Payout (%)	23.8	16.7	16.7
Valuations			
P/E (x)	22.4	18.5	15.8
P/BV (x)	3.0	2.6	2.3
Div. Yield (%)	1.1	0.9	1.1
FCF Yield (%)	4.9	3.0	4.8

Shareholding pattern (%)

	1 · · · · · · · · · · · · · · · · · · ·		
As On	Dec-23	Sep-23	Dec-22
Promoter	65.7	65.7	75.0
DII	16.0	15.4	7.5
FII	5.6	6.6	7.3
Others	12.7	12.0	10.3
The sheat of a state	••	- 1 4 -	

FII Includes depository receipts

CIE Automotive

CMP: INR473TP: INR540 (+14%)Buy

Weak growth across geographies dent performance

EU light-vehicle production to decline ~3% YoY in CY24E

- CIEINDIA reported a muted performance in 4QCY23 due to lower-thanestimated growth in both India and EU. The demand outlook for EU remains weak as the production of light-vehicles is expected to decline ~3% YoY in CY24, along with an anticipation of muted growth in Metalcastello for the next few quarters.
- We cut our CY24E/CY25E EPS by 4%/3% to factor in weakness in the underlying markets. Reiterate BUY with a TP of INR540 (based on ~18x CY25E consol. EPS).

Margins below est. both in India and EU

- 4QCY23 consol. revenue remained flat YoY at ~INR22.4b (vs. est. INR24.6b), due to weaker growth in both geographies. India grew 6% YoY (vs. est. growth of 11%), while EU declined 11% YoY (vs. est. flat growth YoY). EBITDA stood at ~INR3.3b (vs. est. INR3.8b), up 12% YoY. EBITDA margins stood at 14.6% (vs. est. 15.5%). Adj. PAT stood at INR1.8b (vs. est. INR2.2b), up 6% YoY. CY23 consol. revenue/EBITDA/PAT grew 6%/21%/17% YoY.
- India business performance: Revenue grew 6% YoY to ~INR14.8b (vs. est. ~INR16b). India EBITDA margin stood at 14.7% (vs. est. 15.9%). India business growth was largely in line with the underlying weighted average industry growth of 4%.
- EU business performance: Revenue declined 11% YoY to ~INR7.6b (vs. est. ~INR8.6b). 4QCY22 had higher other operating revenues accounted for energy cost compensation. EBITDA margins stood at 14.5% (vs. est. 15.6%). Market slowdown in EU operations and off-highway market drop in the US impacted the Metalcastello performance.
- The company declared a final dividend of INR5/share for CY23 (vs. INR2.5/share for CY22).
- FCFF for CY23 stood at INR8.7b (vs. INR6.75b in CY22) due to improved cash flow operations at INR13.8b (vs. INR11.2b in CY22). Capex stood at INR5.1b (vs. INR4.4b in CY22).

Highlights from the management commentary

- India revenue growth was largely in line with the weighted average underlying industry growth. 4Q growth was affected by delay in many EV projects by the customers and a softness in the India EV market. However, the company has maintained its guidance to outperform the underlying weighted average industry growth by 5%.
- Export contribution from India stood at 14% (vs. 11% in CY22). These orders are new opportunities mostly for steel castings and gears.
- EU outlook challenging: EU light-vehicle market is expected to remain stagnant for the next 4-5 years. Light-vehicle production would decline ~3% YoY in CY24. The pace of electrification in EU is also expected to slow down (12% electrification in light-vehicle market in CY23).

Aniket Mhatre – Research Analyst (aniket.mhatre@motilaloswal.com)

Research Analyst: Amber Shukla (Amber.Shukla@MotilalOswal.com) | Aniket Desai (Aniket.Desai@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. Metalcastello- Revenue declined 6% YoY in CY23 due to weakness in the US offhighway market. With the upcoming elections in the US at the end of CY24 and a slowdown in infrastructure projects, Metalcastello growth is expected to remain muted for the next 2-3 quarters.

Valuation and view

- CIEINDIA's growth story is on track, driven by its organic initiatives (new products and customers in the India business). Moreover, cost-cutting measures in both India and the EU and a recovery in domestic 2W demand will drive margin expansion going forward. However, the company is seeing a temporary slowdown due to weakness in the underlying light-vehicle market in EU and US off-highway markets.
- We believe CIEINDIA's focus on profitability and increasing contribution of EVs in the overall business through execution of new orders can drive a re-rating. The stock trades at 18.5x/15.8x CY24E/CY25E consolidated EPS. Reiterate BUY with a TP of INR540 (premised on ~18x CY25E consol. EPS).

Quarterly performance (Consol.)										(IN	R Million)
(INR m)		CY	22			CY	23		CY22	CY23	
Y/E December	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE
Net Sales	20,608	22,160	22,294	22,468	24,402	23,203	22,794	22,404	87,530	92,803	24,570
YoY Change (%)	-5.9	8.5	6.6	34.6	18.4	4.7	2.2	-0.3	29.4	6.0	9.4
EBITDA	2,804	3,058	2,934	2,924	3,806	3,704	3,454	3,274	11,720	14,239	3,797
Margins (%)	13.6	13.8	13.2	13.0	15.6	16.0	15.2	14.6	13.4	15.3	15.5
Depreciation	717	747	731	767	825	833	783	781	2,962	3,222	822
Interest	40	-1	109	79	240	221	310	303	227	1,074	250
Other Income	107	98	134	244	160	195	200	265	583	820	226
Share of profit from associates	4	11	3	4	3	-3	-2	-3	22	-5	9
PBT before EO expense	2,155	2,409	2,229	2,321	2,901	2,846	2,561	2,455	9,114	10,763	2,952
EO Exp/(Inc)	0	0	0	-379	0	0	0	0	-379	0	0
PBT after EO exp	2,155	2,409	2,229	2,700	2,901	2,846	2,561	2,455	9,492	10,763	2,952
Tax Rate (%)	23.9	23.8	24.9	28.0	24.2	24.9	27.0	27.8	25.3	25.8	25.4
Adj. PAT	1,643	1,847	1,676	1,664	2,203	2,136	1,867	1,770	6,829	7,976	2,212
YoY Change (%)	7.7	35.6	12.4	96.5	34.1	15.7	11.4	6.4	69.3	16.8	32.9
Revenues											
India	12,811	13,778	15,311	13,977	14,449	14,348	15,354	14,833	55,862	58,985	15,956
Growth (%)	15	47	34	23	13	4	0	6	29	6	14.2
EU	7,768	8,315	7,094	8,491	9,954	8,855	7,440	7,570	31,668	33,819	8,599
Growth (%)	-28	-25	-25	51	28	6	5	-11	26	7	1.3
EBITDA Margins											
India	13.4	13.3	13.4	16.9	15.0	14.8	15.1	14.7	14.3	14.9	15.9
EU	14.0	14.7	12.3	11.0	16.4	17.8	15.3	14.5	13.0	16.1	15.6

E: MOSL Estimates



Key takeaways from the management interaction

India

- 4Q revenue grew 4% YoY, largely in line with the weighted average underlying industry growth. Revenue growth was limited as many EV projects in EU are being delayed by the customers and there has been a softness in the India EV market. There has also been a delay in the ramp-up of orders from CIE Hosur and Alu verticals. Revenue growth was also capped by a decline in steel prices, which would be passed on to customers.
- Stamping business from M&M declined in CY23: Due to the transition to new models of Scorpio and Bolero, there has been a decline in stamping business from M&M. Despite this, the company would be setting up a new press line for stampings as it is seeing business from M&M stabilizing in CY24.
- Export contribution from India stood at 14% (vs. 11% in CY22). The company has received new export orders for steel castings and gears and is seeing good traction from customers. However, the company is currently facing logistics-related challenges due to the Red Sea crisis.

Europe

- Industry outlook: EU light-vehicle market is expected to remain stagnant for the next 4-5 years. Light-vehicle production would decline ~3% in CY24. The pace of electrification in EU is also expected to slow down (12% electrification in lightvehicle market in CY23).
- 4Q and CY23 performance: EU 4Q revenue declined 11% YoY despite 7% YoY growth in the underlying industry. Adjusting for other operating income in 4QCY22, which was higher due to energy cost compensation, revenue remained flat YoY. For CY23, CIE forgings (75% contribution) grew 16% YoY, while Metalcastello (25% contribution) declined 6% YoY, taking overall EU revenue growth to 10% YoY.
- Metalcastello: Revenue declined 6% YoY in CY23 due to a weakness in the US offhighway market. Infrastructure projects are seeing a marked slowdown due to the upcoming elections in the US at the end of CY24; hence, Metalcastello growth is expected to remain muted for the next 2-3 quarters.
- Alu forgings: The company has won a new order in steel forgings business from a CV customer for battery packs.

Others

- Net cash of INR8.2b: The cash balance of EUR45m in CIE Galfor would be used to clear the debt in Mexico (USD50m), post which the cash balance in EU would be negligible. The remaining cash in India could be used for inorganic growth opportunities at an opportune time.
- EV orders: Currently 73%/51%/15% of orders in EU forging business/Metalcastello/India business are for EVs.
- Sunroof business: It is not under the listed entity and owned directly by the parent (acquired in CY19). It has one manufacturing plant in Pune through the parent entity.

Mahindra CIE

Exhibit 1: Trend in consolidated revenue

Exhibit 3: Trend in India revenue

33

3QCY21 4QCY21

11

253

2QCY21

18

0

4QCY20 1QCY21

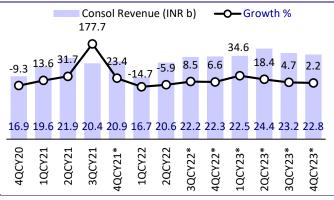
10.3 11.1

India Revenue (INR b)

15 47

1QCY22

2QCY22



Source: *Excludes MFE, Company, MOFSL

13

LQCY23

2QCY23 3QCY23 4QCY23

Source: Company, MOFSL

34

^{9.3} 11.4 11.4 12.8 13.8 15.3 14.0 14.4 14.3 15.4 14.8

3QCY22

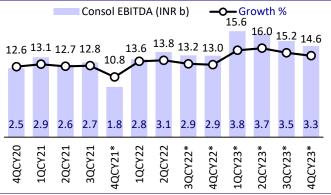
23

4QCY22

- Growth %

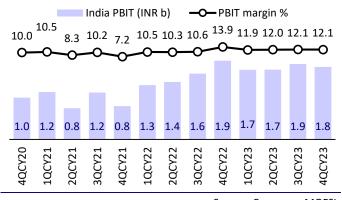
6



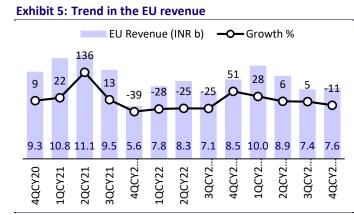


Source: *Excludes MFE, Company, MOFSL

Exhibit 4: Trend in India PBIT margin

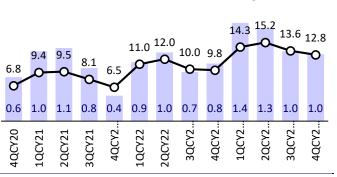


Source: Company, MOFSL



Source: *Excludes MFE, Company, MOFSL

Exhibit 6: Trend in the EU PBIT margin



EU PBIT (INR b) -O-PBIT margin %

Source:*Excludes MFE, Company, MOFSL

Valuation and view

India a growth driver; focus is on consolidating operations in the EU: CIEIndia has been diversifying its India revenue and rationalizing costs in both India and EU businesses. India is expected to be the key growth driver, led by: a) value-added products (machined castings, higher grade magnets, complex gears, etc.); b) exports; and c) new products and customers. We expect margin expansion to be driven by an improvement in the mix, optimization of product process location, and operating leverage. Since CIEIndia has achieved its 15% EBITDA margin target in India, it aspires for 18-20% (at which its parent operates). Considering the lack of growth in the EU business, the focus is on: a) rationalizing the German business

MOTILAL OSWAL

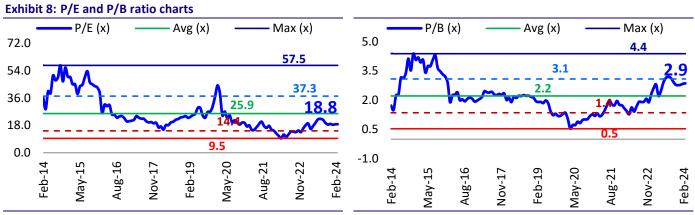
portfolio to improve margin, b) matching costs with revenue in a cyclical market to retain margin in the Italy business, and c) maintaining margin in Spain and Lithuania.

- Strong, focused, and a disciplined parent: CIE is a focused global player in auto components, with diversified technologies and multi-location offerings. It has demonstrated its ability to achieve inorganic profitable growth across geographies, while delivering value-accretive growth, by adhering to a strict financial discipline. CIEIndia benefits from CIE's expertise in driving operational improvements and is working toward achieving the latter's financial objectives.
- Set for growth in the post-consolidation phase: Over the last three-to-four years since acquiring MACA, CIE embarked on restructuring and consolidating all operations under the former. With Phase I of the consolidation largely complete, CIEIndia is now focusing on growth in Phase II. In the India business, it is targeting both organic and inorganic growth. In the Europe business, it will invest selectively for growth purposes. CIEIndia is CIE's vehicle for expansion in Southeast Asia and for sourcing forging technologies worldwide.
- Financial discipline key to its M&A-led strategy: M&A has been an integral tool for MACA in achieving its strategic objectives and growth. For MACA, M&A will be the key driver: a) to fill gaps in areas of strategic technologies aluminum and plastics; b) for access to key players in the India PV segment (Maruti, Hyundai, etc.); and c) for entry into ASEAN markets. CIE has displayed a strict acquisition discipline, with a criteria of less than 3x EV/EBITDA over three years, and targets a minimum Rol of ~20%.
- Maintain BUY with a TP of INR540: CIEIndia's growth story is on track, led by its organic initiatives (new products/customers) and M&A focus. Under CIE's parentage, CIEIndia has been able to improve its efficiencies, cut costs, and improve profitability. However, it is seeing a temporary slowdown due to a weakness in the underlying light-weight vehicle market in EU and US off-highway markets. Accordingly, we cut CY24E/CY25E EPS by 4%/3%. The stock trades at 18.5x/15.8x CY24E/CY25E consolidated EPS. Reiterate BUY with a TP of INR540 (based on ~18x CY25E consol. EPS).

(INR M)		CY24E		CY25E				
	Rev	Old	Chg (%)	Rev	Old	Chg (%)		
Net Sales	1,01,012	1,04,508	(3.3)	1,11,249	1,14,635	(3.0)		
EBITDA	16,016	16,849	(4.9)	18,216	19,079	(4.5)		
EBITDA margin %	15.9	16.1	-30bp	16.4	16.6	-30bp		
Adj. PAT	9,681	10,035	(3.5)	11,305	11,624	(2.7)		
EPS	25.6	26.5	(3.5)	29.9	30.7	(2.7)		

Exhibit 7: Our revised estimates

Source: MOFSL



Source: Company, MOFSL

Source: Company, MOFSL

Key operating indicators

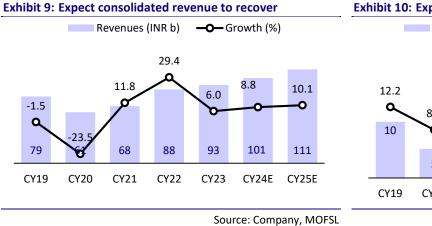
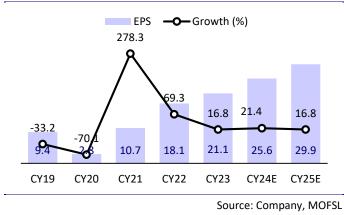


Exhibit 11: EPS and EPS growth





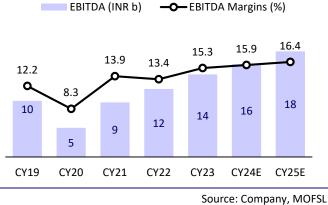
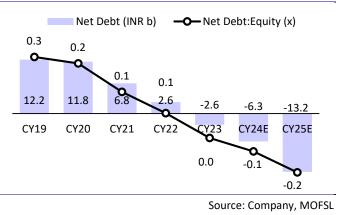
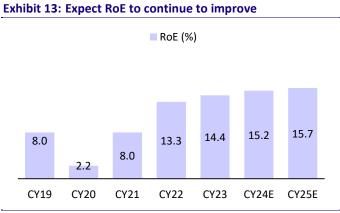


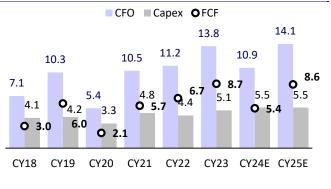
Exhibit 12: Turned net cash positive from CY23





Source: Company, MOFSL

Exhibit 14: FCF to remain at healthy levels



Source: Company, MOFSL

MOTILAL OSWAL

Exhibit 15: Key operating metrics

Key Operating Matrix							
INR m	CY19	CY20	CY21	CY22	CY23E	CY24E	CY25E
Revenues							
Forgings	50,892	38,119	49,639	64,345	72,568	77,417	59,250
Growth (%)	-10	-25	30	30	13	7	-23
India (ex BFL)	4,265	2,911	4,988	7,745	8,983	9,881	10,869
Growth (%)	-20	-32	71	55	16	10	10
BFL	8,776	6,898	9,238	12,553	13,432	15,044	17,150
Growth (%)	0	-21	34	36	7	12	14
MFE Europe	17,889	13,291	16,488	19,491	21,891	23,229	0
Growth (%)	-16	-26	24	18	12	6	-100
CIE Europe	19,962	15,019	18,925	24,557	28,263	29,263	31,232
Growth (%)	-4	-25	26	30	15	4	7
Gears	7,893	5,128	8,326	9,830	9,740	10,032	11,136
Growth (%)	0	-35	62	18	-1	3	11
India	2,240	1,717	2,836	3,230	3,539	3,964	4,360
Growth (%)	-4	-23	65	14	10	12	10
Metalcastello	5,653	3,411	5,490	6,600	6,201	6,069	6,776
Growth (%)	1	-40	61	20	-6	-2	12
Stampings	8,410	5,265	8,980	12,859	11,797	12,977	14,274
Growth (%)	-17	-37	71	43	-8	10	10
Castings	4,237	3,152	5,021	6,527	6,488	7,267	7,994
Growth (%)	-20	-26	59	30	-1	12	10
Composites	1,069	746	1,227	1,722	2,359	2,643	2,960
Growth (%)	-2	-30	64	40	37	12	12
Magnets	1,068	984	1,342	1,613	1,770	2,000	2,300
Growth (%)	-12	-8	36	20	10	13	15
Aluminum (AEL)	6,385	7,265	9,636	10,060	11,066	12,283	13,634
Growth (%)		14	33	4	10	11	11
Total Consol Revenues	79,078	60,501	67,652	87,530	92,803	1,01,012	1,11,249
Growth (%)	-2	-23	12	29	6	9	10
EBITDA Margins	12.2	8.3	13.9	13.4	15.3	15.9	16.4
EBIT Margins	8.2	3.2	9.9	10.0	11.9	12.4	13.0
Adj. EPS (INR/Sh)	9.4	2.8	10.7	18.1	21.1	25.6	29.9
Growth (%)	-33	-70	278	69	17	21	17

Source: Company, MOFSL

Financials and valuations

Y/E December	CY19	CY20	CY21	CY22	CY23	CY24E	CY25E
Total Income from Operations	79,078	60,501	67,652	87,530	92,803	1,01,012	1,11,249
Change (%)	-1.5	-23.5	11.8	29.4	6.0	8.8	10.1
EBITDA	9,677	5,016	9,417	11,720	14,239	16,016	18,216
Margin (%)	12.2	8.3	13.9	13.4	15.3	15.9	16.4
Depreciation	3,161	3,064	2,733	2,962	3,222	3,508	3,795
EBIT	6,516	1,952	6,684	8,758	11,017	12,507	14,421
Int. and Finance Charges	523	548	348	227	1,074	595	552
Other Income	331	549	468	583	820	896	1,092
PBT bef. EO Exp.	6,324	1,953	6,805	9,114	10,763	12,808	14,960
EO Items	-46	0	-128	379	0	0	0
PBT after EO Exp.	6,279	1,953	6,677	9,492	10,763	12,808	14,960
Total Tax	2,741	886	2,731	2,401	2,782	3,142	3,670
Tax Rate (%)	43.7	45.4	40.9	25.3	25.8	24.5	24.5
Share of profit from associate	0	0	12	22	-5	15	15
Reported PAT	3,538	1,066	3,958	7,113	7,976	9,681	11,305
Adj. PAT	3,564	1,066	4,034	6,829	7,976	9,681	11,305
Change (%)	-33.2	-70.1	278.3	69.3	16.8	21.4	16.8
Margin (%)	4.5	1.8	6.0	7.8	8.6	9.6	10.2

Consolidated - Balance Sheet							(INR Million)
Y/E December	CY19	CY20	CY21	CY22	CY23	CY24E	CY25E
Equity Share Capital	3,790	3,790	3,791	3,793	3,794	3,794	3,794
Total Reserves	42,548	45,290	48,175	47,192	56,086	63,831	72,875
Net Worth	46,338	49,080	51,966	50,985	59,880	67,625	76,669
Total Loans	14,691	16,476	12,816	9,234	8,033	5,533	3,033
Deferred Tax Liabilities	912	1,236	2,459	3,199	3,238	3,238	3,238
Capital Employed	61,941	66,792	67,241	63,418	71,152	76,397	82,941
Gross Block	42,936	53,135	50,226	48,348	53,707	58,743	64,243
Less: Accum. Deprn.	17,619	23,204	20,624	20,921	24,143	27,651	31,446
Net Fixed Assets	25,316	29,931	29,602	27,427	29,564	31,092	32,797
Goodwill on Consolidation	35,260	37,554	36,265	28,040	28,540	28,540	28,540
Capital WIP	542	123	1,247	1,195	537	1,001	1,001
Total Investments	955	2,340	4,380	5,756	8,206	8,206	8,206
Curr. Assets, Loans&Adv.	23,553	23,686	26,712	36,780	30,679	35,155	42,662
Inventory	10,566	10,062	13,486	12,108	11,626	13,739	15,038
Account Receivables	7,368	7,054	6,687	8,608	6,331	9,686	10,668
Cash and Bank Balance	1,499	2,380	1,595	859	2,387	3,649	8,057
Loans and Advances	4,120	4,190	4,943	15,205	10,334	8,081	8,900
Curr. Liability & Prov.	23,686	26,843	30,965	35,780	26,374	27,596	30,265
Account Payables	14,771	14,590	19,385	21,350	19,341	18,862	20,646
Other Current Liabilities	4,745	7,909	7,605	12,876	5,505	7,071	7,787
Provisions	4,170	4,344	3,976	1,553	1,528	1,663	1,832
Net Current Assets	-133	-3,157	-4,253	1,000	4,305	7,559	12,398
Appl. of Funds	61,941	66,791	67,240	63,418	71,152	76,397	82,941

Financials and valuations

Ratios							
Y/E December	CY19	CY20	CY21	CY22	CY23	CY24E	CY25E
Basic (INR)							
EPS	9.4	2.8	10.7	18.1	21.1	25.6	29.9
Cash EPS	17.8	10.9	17.9	25.9	29.6	34.9	39.9
BV/Share	122.6	129.8	137.4	134.8	158.4	178.9	202.8
DPS	0.0	0.0	2.5	2.5	5.0	4.3	5.0
Payout (%)	0.0	0.0	23.9	13.3	23.8	16.7	16.7
Valuation (x)							
P/E	50.1	167.6	44.3	26.2	22.4	18.5	15.8
Cash P/E	26.6	43.3	26.4	18.2	16.0	13.5	11.8
P/BV	3.9	3.6	3.4	3.5	3.0	2.6	2.3
EV/Sales	2.4	3.2	2.8	2.1	2.0	1.8	1.6
EV/EBITDA	19.9	38.5	20.2	16.0	13.0	11.3	9.6
Dividend Yield (%)	0.0	0.0	0.5	0.5	1.1	0.9	1.1
FCF per share	15.9	5.4	15.1	17.8	23.0	14.2	22.7
Return Ratios (%)							
RoE	8.0	2.2	8.0	13.3	14.4	15.2	15.7
RoCE (Post-tax)	6.5	2.1	6.3	10.7	13.0	13.7	14.7
RoIC	6.8	1.8	6.5	11.3	14.1	15.3	16.8
Working Capital Ratios							
Fixed Asset Turnover (x)	1.8	1.1	1.3	1.8	1.7	1.7	1.7
Asset Turnover (x)	1.3	0.9	1.0	1.4	1.3	1.3	1.3
Inventory (Days)	49	61	73	50	46	50	49
Debtor (Days)	34	43	36	36	25	35	35
Creditor (Days)	68	88	105	89	76	68	68
Leverage Ratio (x)							
Net Debt/Equity	0.3	0.2	0.1	0.1	0.0	-0.1	-0.2
Consolidated - Cash Flow Statement							(INR Million)
Y/E December	СҮ19	CY20	CY21	CY22	CY23	CY24E	CY25E
OP/(Loss) before Tax	6,279	1,953	6,689	9,514	10,759	12,823	14,975
Depreciation	3,168	3,064	3,431	3,537	3,222	3,508	3,795
Interest & Finance Charges	525	548	533	454	1,074	-301	-539
Direct Taxes Paid	-1,161	-503	-1,053	-1,981	-3,579	-3,142	-3,670
(Inc)/Dec in WC	1,556	761	1,364	-97	-309	-1,992	-431
CF from Operations	10,367	5,823	10,963	11,427	11,166	10,897	14,130
Others	-94	-430	-452	-245	2,667	0	0
CF from Operating incl EO	10,273	5,393	10,511	11,182	13,833	10,897	14,130
(Inc)/Dec in FA	-4,238	-3,343	-4,778	-4,434	-5,122	-5,500	-5,500
Free Cash Flow	6,035	2,050	5,733	6,749	8,711	5,397	8,630
(Pur)/Sale of Investments	-1,871	-1,376	-1,880	-1,273	-2,213	0	0
Others	219	502	-967	-661	-1,714	896	1,092
CF from Investments	-5,890	-4,217	-7,625	-6,368	-9,049	-4,604	-4,408
Issue of Shares	30	0	10	36	7	0	0
Inc/(Dec) in Debt	-3,545	506	-2,787	-3,936	396	-2,500	-2,500
Interest Paid	-525	-477	-465	-378	-1,035	-595	-552
Dividend Paid	0	0	0	-948	-948	-1,614	-1,884
Others	0	-409	-385	349	-2,691	0	0
CF from Fin. Activity	-4,040	-380	-3,627	-4,877	-4,272	-4,708	-4,936
Inc/Dec of Cash	343	796	-740	-63	512	1,584	4,785
Opening Balance	1,247	1,590	2,386	1,646	1,583	2,095	3,679
Closing Balance	1,590	2,386	1,646	1,583	2,095	3,679	8,464
					, -		

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 Motial Oswal Financial Services Limited are available on the website at http://on

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 https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx A graph of daily closing prices of securities is available at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx A graph of daily closing prices of securities is available at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx A graph of daily closing prices of securities is available at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx A graph of daily closing prices of securities is available at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx A graph of daily closing prices of securities is available at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigat

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. 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 of Singapore Accordingly, if a Singapore person is not, or ceases to be, such an investor, they 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 2
- 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
- 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
- MOFSL has not received any compensation or other benefits from third party in connection with the research report 9
- MOFSL has not engaged in market making activity for the subject company 10

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

Customer having any queryreedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Uswal Financial Services Limited (MUFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.