



# **Colgate**

Estimate changes	<b>↓</b>
TP change	I I
Rating change	1

Bloomberg	CLGT IN
Equity Shares (m)	272
M.Cap.(INRb)/(USDb)	434.1 / 5.9
52-Week Range (INR)	1676 / 1257
1, 6, 12 Rel. Per (%)	0/-9/-41
12M Avg Val (INR M)	1163

#### Financials & Valuations (INR b)

Y/E March         2021         2022E         2023E           Sales         48.4         52.3         56.1           Sales Gr. (%)         7.0         8.1         7.3           EBITDA         15.1         16.0         17.0           EBITDA Mrg. (%)         31.2         30.6         30.2           Adj. PAT         10.4         11.0         11.6           Adj. EPS (INR)         38.1         40.3         42.5           EPS Gr. (%)         26.8         5.8         5.5           BV/Sh.(INR)         42.9         42.9         42.9           Ratios         75.0         94.0         99.1           ROCE (%)         75.4         94.9         100.1           Payout (%)         93.5         100.0         100.0           Valuation           P/E (x)         41.9         39.6         37.6           P/BV (x)         37.2         37.2         37.2           EV/EBITDA (x)         28.2         26.6         25.1           Div. Yield (%)         2.2         2.5         2.7	Tillaticials & Valuati	mancials & valuations (new b)					
Sales Gr. (%)       7.0       8.1       7.3         EBITDA       15.1       16.0       17.0         EBITDA Mrg. (%)       31.2       30.6       30.2         Adj. PAT       10.4       11.0       11.6         Adj. EPS (INR)       38.1       40.3       42.5         EPS Gr. (%)       26.8       5.8       5.5         BV/Sh.(INR)       42.9       42.9       42.9         Ratios         RoE (%)       75.0       94.0       99.1         RoCE (%)       75.4       94.9       100.1         Payout (%)       93.5       100.0       100.0         Valuation         P/E (x)       41.9       39.6       37.6         P/BV (x)       37.2       37.2       37.2         EV/EBITDA (x)       28.2       26.6       25.1	Y/E March	2021	2022E	2023E			
EBITDA 15.1 16.0 17.0 EBITDA Mrg. (%) 31.2 30.6 30.2 Adj. PAT 10.4 11.0 11.6 Adj. EPS (INR) 38.1 40.3 42.5 EPS Gr. (%) 26.8 5.8 5.5 BV/Sh.(INR) 42.9 42.9 42.9  Ratios ROE (%) 75.0 94.0 99.1 ROCE (%) 75.4 94.9 100.1 Payout (%) 93.5 100.0 100.0  Valuation P/E (x) 41.9 39.6 37.6 P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	Sales	48.4	52.3	56.1			
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Adj. PAT 10.4 11.0 11.6 Adj. EPS (INR) 38.1 40.3 42.5 EPS Gr. (%) 26.8 5.8 5.5 BV/Sh.(INR) 42.9 42.9 42.9  Ratios ROE (%) 75.0 94.0 99.1 ROCE (%) 75.4 94.9 100.1 Payout (%) 93.5 100.0 100.0  Valuation P/E (x) 41.9 39.6 37.6 P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	EBITDA	15.1	16.0	17.0			
Adj. EPS (INR) 38.1 40.3 42.5 EPS Gr. (%) 26.8 5.8 5.5 BV/Sh.(INR) 42.9 42.9 42.9  Ratios  RoE (%) 75.0 94.0 99.1 RoCE (%) 75.4 94.9 100.1 Payout (%) 93.5 100.0 100.0  Valuation  P/E (x) 41.9 39.6 37.6 P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	EBITDA Mrg. (%)	31.2	30.6	30.2			
EPS Gr. (%) 26.8 5.8 5.5 BV/Sh.(INR) 42.9 42.9 42.9 Ratios RoE (%) 75.0 94.0 99.1 RoCE (%) 75.4 94.9 100.1 Payout (%) 93.5 100.0 100.0 Valuation P/E (x) 41.9 39.6 37.6 P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	Adj. PAT	10.4	11.0	11.6			
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Ratios         RoE (%)       75.0       94.0       99.1         RoCE (%)       75.4       94.9       100.1         Payout (%)       93.5       100.0       100.0         Valuation         P/E (x)       41.9       39.6       37.6         P/BV (x)       37.2       37.2       37.2         EV/EBITDA (x)       28.2       26.6       25.1	EPS Gr. (%)	26.8	5.8	5.5			
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Payout (%) 93.5 100.0 100.0 Valuation P/E (x) 41.9 39.6 37.6 P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	RoE (%)	75.0	94.0	99.1			
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P/E (x)     41.9     39.6     37.6       P/BV (x)     37.2     37.2     37.2       EV/EBITDA (x)     28.2     26.6     25.1	Payout (%)	93.5	100.0	100.0			
P/BV (x) 37.2 37.2 37.2 EV/EBITDA (x) 28.2 26.6 25.1	Valuation						
EV/EBITDA (x) 28.2 26.6 25.1	P/E (x)	41.9	39.6	37.6			
	P/BV (x)	37.2	37.2	37.2			
Div. Yield (%) 2.2 2.5 2.7	EV/EBITDA (x)	28.2	26.6	25.1			
	Div. Yield (%)	2.2	2.5	2.7			

## Shareholding pattern (%)

As On	Mar-21	Dec-20	Mar-20
Promoter	51.0	51.0	51.0
DII	10.3	10.4	10.2
FII	16.9	16.6	16.2
Others	21.8	22.0	22.7

FII Includes depository receipts

CMP: INR1,596 TP: INR1,700 (+7%) Downgrade to Neutral

# Continued weak sales growth, unsustainable margins

#### **Downgrade to Neutral**

- Colgate-Palmolive (CLGT)'s weak sales growth trend has persisted in recent quarters, including 4QFY21 the two-year average sales growth stands at 5–6%. It has now been six years since the company reported over 7% sales growth for any year. With (a) the launch of its Non-Oral Care portfolio and (b) investments under the 'Brush Twice a Day' campaign seemingly on the backburner, it is unlikely to return to the double-digit sales growth seen over FY08–15 anytime soon.
- Notably, certain factors that led to the positive margin surprise in 4QFY21 and the full-year FY21 resulting in all-time high EBITDA margins are not sustainable. These include (a) higher priced (and higher margin) SKUs gaining prominence in FY21 on account of customers showing a preference for larger packs, (b) slower sales in the low-margin toothbrush category as the product is more discretionary than toothpaste, (c) lower-than-expected advertising spends in 4QFY21 and the full-year FY21, and (d) intensifying cost pressure due to crude-led RM inflation.
- While there is no material change in our FY22E EPS, we reduce our FY23E EPS forecasts by ~6% due to weak sales trends and lower margins. With a weak topline and earnings growth likely to sustain going forward, the valuation at 37.6x FY23E EPS appears fair. **Downgrade to Neutral**.

### Sales in-line; margin beat on lower ad spends

- CLGT is likely to have posted domestic volume growth of 16% YoY in 4QFY21 (est. 17%).
- Net sales grew 19.8% YoY to INR12.8b (in line with estimates) in 4QFY21. EBITDA was up 60.4% YoY to INR4.2b (est. INR3.9b). PBT grew 62.7% YoY to INR3.8b (est. INR3.4b). Adj. PAT grew 54.1% YoY to INR3.1b (est. INR2.6b). The two-year sales / EBITDA / adj. PAT CAGR came in at 5.5%/16.6%/25.4%.
- Gross margins expanded 300bp YoY to 67.7% (in line with estimates).
- As a percentage of sales, lower staff costs (down 130bp YoY), ad spends (down 290bp YoY), and other expenses (down 110bp YoY) led to EBITDA margin expansion of 830bp YoY to 32.9% (est. 30.6%) this is the all-time high quarterly EBITDA margin.
- Absolute ad spends were down 4.3% YoY and 24.9% sequentially during the quarter.
- FY21 sales/EBITDA/adj. PAT grew 7%/25.6%/26.8% to INR48.4b/INR15.1b/INR10.4b.

### **Highlights from management commentary**

Market share was higher in modern trade and e-commerce; the management did not comment on overall market share, except that it remains at robust levels.

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As a proportion of Oral Care category sales, Naturals and Family remain at 38–39% and 32–33%, respectively, while the share of the Freshness (gel) segment increased over the past year.

- The 'Bright Smiles, Bright Futures' school campaign went digital in FY21 (and, hence, cheaper) as schools were closed. Going forward, the campaign would have both digital and physical aspects.
- Good traction is seen in Vedshakti's mouth spray and oil pulling lines, with the former seeing ~30% repeat purchases despite being a new category.

#### Valuation and view

- The cornerstones of our earlier optimism on improved topline growth in CLGT were (a) new launches in Oral Care, (b) a potentially higher play in Naturals (38–39% of the category where CLGT was significantly under-indexed), (c) new launches in Non-Oral Care (~only 2% of sales currently v/s around half the sales for the parent) leveraging on CLGT's extensive distribution reach and implementation of the Brush Twice a Day campaign.
- These initiatives could have not only led to the recouping of lost market share of ~600bp over the last 6–7 years but also boosted overall sales growth. CLGT also had significant underutilized capacity, as a result of which healthy topline growth would have resulted in even stronger earnings growth. However, the company has either disappointed on these aspects or significantly postponed the same, contrary to our earlier assumptions.
- While there is no material change in our FY22E EPS, we reduce our FY23E EPS forecasts by ~6%, weighed by weak sales trends and lower margins. With weak topline and earnings growth likely to sustain going forward, the valuation at 37.6x FY23E EPS appears fair. We assign a value of 40x FY23E to arrive at our TP of INR1,700/share. **Downgrade to Neutral**.

<b>Quarterly Performance</b>												(INR m)
Y/E March		FY2	:0			FY2	<u>'</u> 1		FY20	FY21	FY21	Var.
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4Q	(%)
Toothpaste Volume Gr %	4.0	4.0	2.3	-8.0	0.0	4.0	6.0	16.0	0.6	6.5	17.0	
Net Sales (incldg. OOI)	10,849	12,218	11,472	10,713	10,406	12,855	12,319	12,832	45,251	48,412	12,684	1.2%
YoY change (%)	4.2	4.6	4.3	-7.1	-4.1	5.2	7.4	19.8	1.4	7.0	18.4	
Gross Profit	7,145	7,910	7,541	6,926	6,883	8,759	8,594	8,683	29,522	32,919	8,529	1.8%
Gross margin (%)	65.9	64.7	65.7	64.7	66.1	68.1	69.8	67.7	65.2	68.0	67.2	
EBITDA	2,998	3,230	3,161	2,629	3,080	4,093	3,706	4,218	12,017	15,096	3,877	8.8%
Margins (%)	27.6	26.4	27.6	24.5	29.6	31.8	30.1	32.9	26.6	31.2	30.6	
YoY growth (%)	6.5	-2.0	0.5	-15.3	2.7	26.7	17.3	60.4	-2.8	25.6	47.5	
Depreciation	499	504	515	462	454	461	456	455	1,979	1,825	489	
Interest	23	24	29	20	20	18	19	16	96	73	23	
Financial other Income	152	86	58	196	63	76	99	66	492	304	85	
PBT	2,628	2,788	2,674	2,344	2,669	3,689	3,330	3,814	10,434	13,502	3,449	10.6%
Tax	937	347	683	302	687	947	847	667	2,269	3,148	828	
Rate (%)	35.7	12.4	25.6	12.9	25.7	25.7	25.4	17.5	21.7	23.3	24.0	
Adj PAT	1,691	2,441	1,991	2,042	1,982	2,742	2,484	3,147	8,165	10,354	2,621	20.1%
YoY change (%)	1.3	24.3	3.6	2.1	17.2	12.3	24.7	54.1	8.1	26.8	28.4	

**E: MOFSL Estimates** 

#### **Key Performance Indicators**

Y/E March		FY	20		FY21			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Realization Gr %	0.2	0.6	2.0	0.9	-4.1	1.2	1.4	3.8
2Y average growth %								
Volumes	4.0	5.5	4.7	-1.5	2.0	4.0	4.2	4.0
Sales	5.3	6.1	5.4	-0.7	0.1	4.9	5.9	6.3
EBITDA	16.6	3.8	5.8	-7.2	4.6	12.4	8.9	22.6
PAT	11.9	17.4	8.1	1.9	9.2	18.3	14.2	28.1
% sales								
COGS	34.1	35.3	34.3	35.3	33.9	31.9	30.2	32.3
Others	38.2	38.3	38.2	40.1	36.5	36.3	39.7	34.8
Depreciation	4.6	4.1	4.5	4.3	4.4	3.6	3.7	3.5
YoY change %								
COGS	4.3	4.7	2.6	-7.4	-4.9	-4.9	-5.2	9.6
Others	2.5	9.6	9.1	-1.1	-8.3	-0.3	11.6	3.9
Other income	65.6	-0.1	-26.7	64.4	-58.6	-12.3	70.3	-66.3
EBIT	3.2	-5.9	-3.4	-20.1	5.1	33.3	22.9	73.7

**E: MOFSL Estimates** 



# **Highlights from management commentary**

# Key highlights on results and categories

- Double-digit growth was seen in all key categories in 4Q including Toothbrush, which was weak earlier this year. The two-year average growth, though, remains at 6%.
- Urban saw a rebound in 4QFY21.
- Market share-up was seen in MT and e-commerce. The management did not comment on overall market share, except that it remains at robust levels.
- Volumes exceeded pricing on 7% sales growth for the year and significantly exceeded pricing in 4QFY21.
- Naturals has contributed 38–39% to the Oral Care category over the last few quarters, while Family has contributed 32–33%; thus, it holds share in the overall Toothpaste category.
- The Freshness category (Colgate Gel, Close Up) has gained traction, partly on account of India having a higher young population.
- The premium portfolio is growing faster. In the longer term, premiumization would only increase.
- It is difficult to predict future topline growth in the current environment.
- Colgate remains India's foremost penetrated brand, with the highest brand recall for the last five years.
- It is among the top five SKUs across retail outlets.

## New communication and innovation

- It launched the new communication, 'strong teeth leading to strong health'.
- The innovation pipeline is strong.
- Vedshakti expanded its mouth spray and oil pulling lines. 30% repeat purchases were seen for mouth spray, a category that didn't exist earlier. Annualized sales could be 1% of the Toothpaste category.
- Vedshakti Toothpaste's share was higher by 60bp YoY.
- The 'Colgate diabetics' product was available online and offline via some channels (pharmacies). Repeat rates stood at 20%. It was available in 25% of pharmacies in large cities.

- Gentle toothbrushes constitute 1% share of toothbrushes.
- Slimsoft toothbrushes with Himalayan Salt and Turmeric variants are expected to be launched.
- It is using science to boost the Ayurvedic benefits of its products.
- The Colgate MAGIK India (first) augmented reality toothbrush has been launched.
- India's first recyclable toothpaste tube under Colgate Salt would be launched soon.

### **Costs and margins**

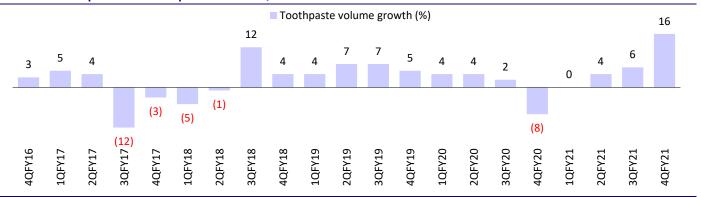
- Gross margin expansion was driven by the following:
  - a) Pricing has been a key driver of gross margin expansion, especially the price increases taken to pass on material cost increases.
  - b) The mix in favor of toothpastes v/s toothbrushes was also a factor as toothbrushes are more discretionary in nature.
  - c) Higher unit packs in FY21 also aided margins.
  - d) More premium products were launched and faster growth was seen in the premium segment.
- The 'Bright Smiles, Bright Futures' school campaign went digital in FY21 (and, hence, cheaper) as schools were closed.
- Going forward, the campaign would have both digital and physical aspects.

# Other points

- The 'Brush Twice a Day' campaign took a back seat in FY21, but the management is committed to expanding the same going forward.
- CLGT remains under-indexed in the chemist channel, but now has a better portfolio to boost SKUs.

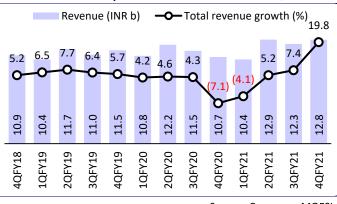
# **Key exhibits**

Exhibit 1: Toothpaste volumes up 16% YoY in 4QFY21



Source: Company, MOFSL

Exhibit 2: Revenue up 19.8% YoY to INR12.8b in 4QFY21



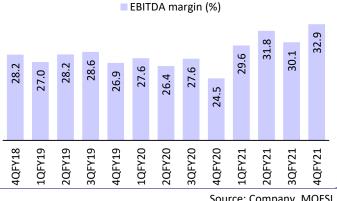
Source: Company, MOFSL

Exhibit 3: Gross margin expands 300bp YoY



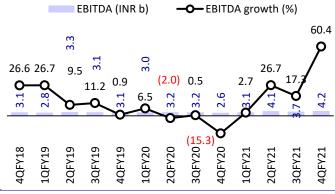
Source: Company, MOFSL

Exhibit 4: EBITDA margin expands 830bp YoY to 32.9%...



Source: Company, MOFSL

Exhibit 5: ...thus, EBITDA rises 60.4% YoY to INR4.2b



Source: Company, MOFSL

5 17 May 2021

## Valuation and view

# What happened in the past decade from a business perspective?

- The combination of sharp decline in market share in recent years and the increased penetration of the category itself have resulted in single-digit topline growth over the last 10 years. In recent years, premiumization has also come off, affecting realization growth (v/s the past).
- For a company with a modest base of INR20.4b sales in FY10, a sales/EBITDA/PBT CAGR of 8–10% over the last 10 years is a weak result. The PAT CAGR was even lower at 7% as the company's tax rate stood at 16.7% in FY10.
- Due to market share decline in recent years, the sales/EBITDA/PAT CAGR has been even lower in the last five years at ~3%/~8%.

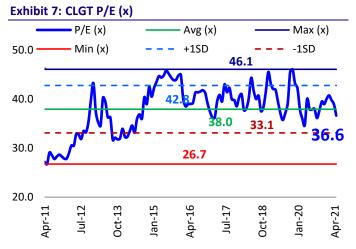
#### Valuations and view

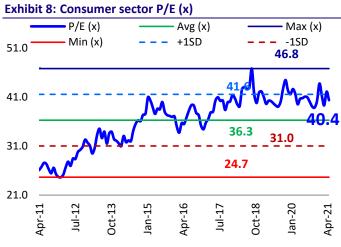
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Exhibit 6: Changes to the model lead to 0.7%/-6.2% EPS change for FY22/FY23E

	•	•	•	•		
INR m	C	Old	N	ew	Chan	ge (%)
	FY22E	FY23E	FY22E	FY23E	FY22E	FY23E
Sales	53,246	58,514	52,339	56,149	(1.7)	(4.0)
EBITDA	16,139	17,919	16,001	16,963	(0.9)	(5.3)
PAT	10,881	12,324	10,954	11,559	0.7	(6.2)

Source: MOFSL





Source: Company, MOFSL Source: Company, MOFSL

# **Financials and valuations**

Income Statement							(INR m)
Y/E March	2017	2018	2019	2020	2021	2022E	2023E
Net Sales	39,818	41,880	44,624	45,251	48,412	52,339	56,149
Change (%)	2.9	5.2	6.6	1.4	7.0	8.1	7.3
COGS	14,763	14,887	15,586	15,729	15,494	16,899	18,302
Gross Profit	25,055	26,992	29,039	29,522	32,919	35,439	37,846
Gross Margin (%)	62.9	64.5	65.1	65.2	68.0	67.7	67.4
Operating expenses	15,619	15,855	16,678	17,505	17,822	19,438	20,883
EBITDA	9,435	11,137	12,361	12,017	15,096	16,001	16,963
Change (%)	0.5	18.0	11.0	-2.8	25.6	6.0	6.0
Margin (%)	23.7	26.6	27.7	26.6	31.2	30.6	30.2
Depreciation	1,332	1,565	1,592	1,979	1,825	1,918	1,958
Int. and Fin. Charges	0	0	25	96	73	85	85
Financial Other Income	411	375	377	492	304	453	533
Profit before Taxes	8,514	9,947	11,120	10,434	13,502	14,451	15,453
Change (%)	-1.8	16.8	11.8	-6.2	29.4	7.0	6.9
Margin (%)	21.4	23.8	24.9	23.1	27.9	27.6	27.5
Tax	2,740	3,022	3,566	2,475	3,257	3,496	3,893
Tax Rate (%)	32.2	31.1	32.1	21.7	23.3	24.2	25.2
Adjusted PAT	5,774	6,850	7,555	8,165	10,354	10,954	11,559
Change (%)	-5.7	18.6	10.3	8.1	26.8	5.8	5.5
Margin (%)	14.5	16.4	16.9	18.0	21.4	20.9	20.6
		-117	201	0	0	0	0
Non-rec. (Exp)/Income	0	-11/	201				
Non-rec. (Exp)/Income Reported PAT	5, <b>774</b>	6,734	7,756	8,165	10,354	10,954	11,559
Reported PAT  Balance Sheet	5,774	6,734	7,756	8,165	10,354		(INR m)
Reported PAT  Balance Sheet  Y/E March	5,774	2018	7,756 2019	8,165 2020	2021	2022E	(INR m) 2023E
Balance Sheet Y/E March Share Capital	5,774  2017 272	6,734 2018 272	7,756  2019 272	8,165 2020 272	10,354 2021 272	<b>2022E</b> 272	(INR m) 2023E 272
Reported PAT  Balance Sheet  Y/E March  Share Capital Reserves	<b>2017</b> 272 12,466	2018 272 14,974	<b>2019</b> 272 14,196	<b>2020</b> 272 15,670	2021 272 11,387	<b>2022E</b> 272 11,387	(INR m) 2023E 272 11,387
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth	2017 272 12,466 12,738	2018 272 14,974 15,246	7,756  2019 272 14,196 14,468	2020 272 15,670 15,942	2021 272 11,387 11,659	2022E 272 11,387 11,659	(INR m) 2023E 272 11,387 11,659
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans	2017 272 12,466 12,738	2018 272 14,974 15,246	<b>2019</b> 272 14,196 14,468 777	2020 272 15,670 15,942	2021 272 11,387 11,659	2022E 272 11,387 11,659	(INR m) 2023E 272 11,387 11,659
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability	2017 272 12,466 12,738 0 275	2018 272 14,974 15,246 0	7,756  2019 272 14,196 14,468 777 309	2020 272 15,670 15,942 0 50	2021 272 11,387 11,659 0	2022E 272 11,387 11,659 0 -48	(INR m) 2023E 272 11,387 11,659 0
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed	2017 272 12,466 12,738 0 275 13,013	2018 272 14,974 15,246 0 355 15,601	7,756  2019 272 14,196 14,468 777 309 15,553	2020 272 15,670 15,942 0 50 15,992	2021 272 11,387 11,659 0 -48 11,611	2022E 272 11,387 11,659 0 -48 11,611	(INR m)  2023E  272  11,387  11,659  0  -48  11,611
Reported PAT  Balance Sheet  Y/E March  Share Capital Reserves Net Worth Loans Deferred Liability  Capital Employed  Gross Block	2017 272 12,466 12,738 0 275 13,013 17,188	2018 272 14,974 15,246 0 355 15,601 19,077	7,756  2019 272 14,196 14,468 777 309 15,553 21,077	2020 272 15,670 15,942 0 50 15,992 22,182	2021 272 11,387 11,659 0 -48 11,611 23,425	2022E 272 11,387 11,659 0 -48 11,611 23,925	(INR m) 2023E 272 11,387 11,659 0 -48 11,611 24,425
Reported PAT  Balance Sheet  Y/E March  Share Capital  Reserves  Net Worth  Loans  Deferred Liability  Capital Employed  Gross Block  Less: Accum. Depn.	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987	8,165  2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186
Reported PAT  Balance Sheet  Y/E March  Share Capital  Reserves  Net Worth  Loans  Deferred Liability  Capital Employed  Gross Block  Less: Accum. Depn.  Net Fixed Assets  Capital WIP  Investments  Curr. Assets, L&A	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186  20,356
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186  20,356  2,918
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory Account Receivables	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186  20,356  2,918  2,445
Reported PAT  Balance Sheet  Y/E March  Share Capital Reserves  Net Worth Loans Deferred Liability  Capital Employed  Gross Block Less: Accum. Depn.  Net Fixed Assets  Capital WIP Investments  Curr. Assets, L&A Inventory  Account Receivables  Cash & Bank	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959	(INR m) 2023E 272 11,387 11,659 0 -48 11,611 24,425 -16,654 7,771 1,449 186 20,356 2,918 2,445 8,964
Reported PAT  Balance Sheet  Y/E March  Share Capital Reserves  Net Worth Loans Deferred Liability  Capital Employed  Gross Block Less: Accum. Depn.  Net Fixed Assets  Capital WIP Investments  Curr. Assets, L&A Inventory  Account Receivables  Cash & Bank Others	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943 2,880	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562 3,443	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994 3,481	8,165  2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213 4,217	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676 3,405	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959 5,127	(INR m) 2023E 272 11,387 11,659 0 -48 11,611 24,425 -16,654 7,771 1,449 186 20,356 2,918 2,445 8,964 6,030
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory Account Receivables Cash & Bank Others Curr. Liab. and Prov.	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943 2,880 10,094	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562 3,443 10,037	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994 3,481 10,712	8,165  2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213 4,217 10,048	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676 3,405 17,282	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959 5,127 17,137	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186  20,356  2,918  2,445  8,964  6,030  18,151
Reported PAT  Balance Sheet  Y/E March  Share Capital Reserves  Net Worth Loans Deferred Liability  Capital Employed  Gross Block Less: Accum. Depn.  Net Fixed Assets  Capital WIP Investments  Curr. Assets, L&A Inventory  Account Receivables  Cash & Bank Others	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943 2,880 10,094 5,975	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562 3,443 10,037 6,203	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994 3,481 10,712 6,132	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213 4,217 10,048 6,125	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676 3,405 17,282 7,604	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959 5,127 17,137 7,009	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771  1,449  186  20,356  2,918  2,445  8,964  6,030  18,151  7,551
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory Account Receivables Cash & Bank Others Curr. Liab. and Prov. Account Payables Other Liabilities	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943 2,880 10,094 5,975 3,356	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562 3,443 10,037 6,203 3,040	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994 3,481 10,712 6,132 3,757	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213 4,217 10,048 6,125 2,830	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676 3,405 17,282 7,604 8,555	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959 5,127 17,137 7,009 8,950	(INR m)  2023E 272 11,387 11,659 0 -48 11,611 24,425 -16,654 7,771 1,449 186 20,356 2,918 2,445 8,964 6,030 18,151 7,551 9,363
Reported PAT  Balance Sheet  Y/E March Share Capital Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory Account Receivables Cash & Bank Others Curr. Liab. and Prov. Account Payables	2017 272 12,466 12,738 0 275 13,013 17,188 -6,107 11,081 1,666 312 10,048 2,926 1,299 2,943 2,880 10,094 5,975	2018 272 14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267 2,010 4,562 3,443 10,037 6,203	7,756  2019 272 14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486 2,098 3,994 3,481 10,712 6,132	2020 272 15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326 4,213 4,217 10,048 6,125	2021 272 11,387 11,659 0 -48 11,611 23,425 -12,778 10,647 1,449 186 16,611 3,358 1,171 8,676 3,405 17,282 7,604	2022E 272 11,387 11,659 0 -48 11,611 23,925 -14,696 9,230 1,449 186 17,883 2,518 2,279 7,959 5,127 17,137 7,009	(INR m)  2023E  272  11,387  11,659  0  -48  11,611  24,425  -16,654  7,771

E: MOSL Estimates

# **Financials and valuations**

Ratios							
Y/E March	2017	2018	2019	2020	2021	2022E	2023E
Basic (INR)							
EPS	21.2	25.2	27.8	30.0	38.1	40.3	42.5
Cash EPS	26.1	30.9	33.6	37.3	44.8	47.3	49.7
BV/Share	46.8	56.1	53.2	58.6	42.9	42.9	42.9
DPS	11.0	24.0	23.0	28.0	38.0	40.3	42.5
Payout %	51.7	95.3	82.8	93.3	99.8	100.0	100.0
Valuation (x)							
P/E	75.2	63.4	57.5	53.2	41.9	39.6	37.6
Cash P/E	61.1	51.6	47.5	42.8	35.6	33.7	32.1
EV/Sales	10.8	10.2	9.6	9.5	8.8	8.1	7.6
EV/EBITDA	45.7	38.5	34.8	35.8	28.2	26.6	25.1
P/BV	34.1	28.5	30.0	27.2	37.2	37.2	37.2
Dividend Yield (%)	0.7	1.5	1.4	1.8	2.4	2.5	2.7
Return Ratios (%)							
RoE	50.1	49.0	50.9	53.7	75.0	94.0	99.1
RoCE	49.3	47.9	48.6	52.2	75.4	94.9	100.1
Working Capital Ratios							
Debtor (Days)	11	17	17	11	9	16	16
Asset Turnover (x)	3.6	3.1	3.4	3.3	4.9	5.2	5.6
Leverage Ratio							
Debt/Equity (x)	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Cash Flow Statement							(INR m)
Y/E March	2017	2018	2019	2020	2021	2022E	2023E
OP/(loss) before Tax	8,514	9,947	11,121	10,434	13,502	14,451	15,453
Depreciation	1,332	1,565	1,592	1,979	1,825	1,918	1,958
Int./Div. Received	34	81	85	-95	58	-453	-533
Interest Paid	-297	-290	-317	-171	-137	85	85
Direct Taxes Paid	-3,014	-3,474	-4,144	-3,213	-3,584	-3,496	-3,893
(Incr)/Decr in WC	311	-889	1,494	-35	-3,826	-2,135	-454
CF from Operations	6,880	6,940	9,830	8,899	7,839	10,370	12,616
(Incr)/Decr in FA	-3,212	-2,087	-1,042	-604	-573	-500	-500
Free Cash Flow	3,668	4,853	8,788	8,295	7,265	9,870	12,116
(Pur)/Sale of Investments	0	0	0	133	1,060	0	0
Others	-205	564	-1,209	305	5,703	635	715
CF from Invest.	-3,418	-1,523	-2,251	-166	6,190	135	215
Change in Equity	0	0	0	0	0	0	0
(Incr)/Decr in Debt	0	0	-121	0	0	0	0
Dividend Paid	-2,717	-2,986	-6,462	-7,315	-9,211	-10,954	-11,559
Others	-689	-812	-1,564	-1,199	-353	-268	-268
CF from Fin. Activity	-3,406	-3,798	-8,147	-8,514	-9,565	-11,222	-11,827
Incr/Decr of Cash	56	1,619	-568	219	4,464	-717	1,005
Add: Opening Balance	2,887	2,943	4,562	3,994	4,213	8,676	7,959
Closing Balance	2,943	4,562	3,994	4,213	8,676	7,959	8,964

E: MOSL Estimates

# NOTES

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 within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

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