

Colgate-Palmolive

BSE SENSEX S&P CNX 63,533 18,608

CMP: INR1642

TP: INR1620 (-1%)

Neutral



Stock Info

Bloomberg	CLGT IN
Equity Shares (m)	272
M.Cap.(INR b)/(USD b)	446.5 / 5.4
52-Week Range (INR)	1695 / 1376
1, 6, 12 Rel. Per (%)	2/-10/8
12M Avg Val (INR M)	559
Free float (%)	49.0

Financials Snapshot (INR b)

Y/E March	<u> </u>	2023E	2024E
Sales	51.0	54.1	57.6
Sales Gr. (%)	5.3	6.0	6.4
EBITDA	15.7	15.9	17.5
EBITDA Margin (%)	30.7	29.4	30.5
Adj. PAT	10.5	10.9	12.0
Adj. EPS (INR)	38.5	40.0	44.1
EPS Gr. (%)	4.2	4.1	10.3
BV/Sh.(INR)	63.8	63.8	63.8
Ratios			
RoE (%)	72.1	62.8	69.2
RoCE (%)	73.0	63.7	70.2
Payout (%)	104.0	100.0	100.0
Valuation			
P/E (x)	42.7	41.0	37.2
P/BV (x)	25.7	25.7	25.7
EV/EBITDA (x)	28.0	27.5	24.9
Div. Yield (%)	2.4	2.4	2.7

Shareholding pattern (%)

As On	Sep-22	Jun-22	Sep-21
Promoter	51.0	51.0	51.0
DII	9.3	9.1	7.7
FII	19.5	18.7	19.1
Others	20.3	21.2	22.2

FII Includes depository receipts

Stock Performance (1-year)



Another new beginning, but challenges persist

CLGT's new CEO Prabha Narasimhan unveiled her plans to drive growth in oral care, increase premiumization in the category, and focus on the non-oral care business as part of its annual investor day. Key takeaways from the day include the following:

- India is one of the three key countries for Colgate globally, and thus, highly important from a global perspective.
- From a growth perspective, the company plans to focus on rural areas where 55% of the population do not brush daily and in urban areas where only about 20% of the households brush twice a day.
- Slower growth in the naturals category in the last couple of years where CLGT is relatively under-indexed also enables some stability to its plans.
- From a toothbrush perspective, the company's focus will be on (a) hastening replacement of toothbrushes (from once in every six months in urban areas and from once every 15 months in rural areas); (b) gentle toothbrushes, and (c) powered toothbrushes, which is a nascent category.
- From a premiumization perspective, the focus will be on teeth whitening products with an emphasis on oral beauty. Dentist-specific products from the parent portfolio, Colgate Total (the largest global brand) and kids toothpastes are other avenues for premiumization.
- Palmolive's focus on body wash and more recently face wash will be its sole foray into personal care products for now
- There were no financial targets stated as part of the investor day, and thus, there are no changes to estimates.

Valuation and view

- With high oral care penetration as well as loss of market share to herbal players, volume growth has been elusive for CLGT for several years now. Premiumization in general trade as well as traction in personal care have been quite slow. While initiatives for growth under the new CEO are welcome, we do not see any material change in business prospects over the near to medium term.
- EPS CAGR of ~5.5% over the next two years implies a tepid outlook with volumes actually declining on a YTD basis this year. Over the past five years, sales growth and earnings growth stood at an unimpressive 5% CAGR and ~10% CAGR, respectively.
- With weak revenue and earnings growth likely to sustain going forward, there is unlikely to be any re-rating of the stock. We retain our target multiple of 35x Sep'24 EPS to arrive at our TP of INR1,620. We reiterate our Neutral rating on the stock.

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Colgate Investor day highlights

New CEO Ms. Prabha Narasimhan's thoughts on the business

- Ms. Prabha Narasimhan was appointed as India business CEO with effect from Sept'22 after 24 years in Hindustan Unilever in the Home Care business.
- Colgate is the most penetrated brand in India.
- Its market share is 3x bigger than the next competitor in oral care.
- It is equipped with cutting edge technologies with over 1000 scientists with 1500 global patents filed annually.
- The company has a direct reach of 1.7m outlets and 95% of these outlets are active every quarter; 70% of them are a part of 'Smile' stores, which enable track-ability.
- Colgate enjoys higher market share in Modern Trade and e-commerce than in General Trade
- India is one of the three key countries for Colgate globally.

Recent initiatives

The company is launching a platform called 'Dentists first'. Beta testing is on for now and will be formally launched in 2023. The platform can be accessed by dentists and indirectly by their patients. The company has a very strong global portfolio on this front

Opportunity

- To drive category volumes, if India is 1x, Philippines is 1.8x and Brazil 3.1x
- Rural usage is 0.6x of the National average with 55% who do not brush daily
- Even in urban areas only 20% of households brush twice daily
- The potential for premiumization is also high
- 2/3rd of market are in INR 90-100 SKU range

How do they intend to drive earnings growth going forward?

- Lead category growth Focus on Colgate Strong teeth (boosted with arginine), Freshness (Max Fresh with Charcoal) and Colgate Active Salt. Naturals category grew 900 bp between 2015 and 2020, but only by 40 bp in the last two years and thus Colgate's market share loss has been curtailed. On a cumulative basis, Bright Smiles Bright Futures reached 170m school kids.
- Use science and technology to drive premiumization- Have launched Colgate Visible White O2 this year, its first foray into oral beauty. Base Visible White product has 70% market share. Focus on Colgate Total will be higher going forward (the biggest sub-brand worldwide). Also, focusing on kids toothpaste made especially for kids who are six years or below.
- Lead category growth in toothbrush and devices- Urban consumers replace their toothbrush every six months and for rural consumers it is every 15 months. The company plans to encourage faster replacement. Its focus is on 'Gentle' toothbrushes. These are priced between 2x and 8x of the base variant. Powered toothbrushes are another focus area that also has dedicated focus on kids.

Build personal care portfolio - Centred on Palmolive body historically. Face care
category focus with foam face wash is starting this year. These are nascent
categories in India.

Premiumization drivers

- Family health care
- Newly launched Oral beauty category
- Dentists program to bring in new products
- Premium portfolio proportion to sales is currently in double digits overall. The market share is high in modern trade and e-commerce but it is growing much more slowly in general trade.

Costs and margins

- Science-based premiumization will drive gross margins
- Huge focus on cost management enables investment back into the business

Digital at the Core

- Established a digital analysis wing
- AI-led assortment recommendation for 1.7m stores as part of Smile Stores program.
- Data points on not only these stores but also on stores in the vicinity
- Digital initiative also enables best use of promotions
- 'Amazing', an in-house image recognition feature, enables much better automation at the retail level for out of stock and ideal SKU scenario, including competitor analysis
- In-house digital assets enable 4x faster turnaround times and 3x volumes, resulting in 87% savings on content production costs

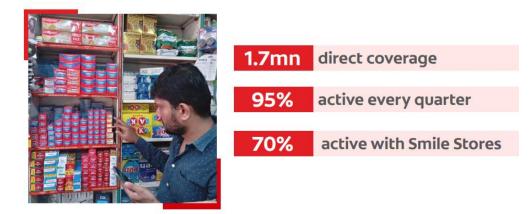
Talent

- Important to retain talent who leave for consumer tech from FMCG
- LEAP Their global experience program and Evolve —The new skills program facilitate retention
- 90% of leadership team has global experience
- Automation and robotics being introduced as part of supply chain
- Workplace inclusivity including new parents program among other such initiatives

ESG initiatives

- Put out maiden ESG report this year
- World's first recyclable tube launched; eventually 100% using recyclable tube.
- Launched toothbrushes with metal handles and replaceable heads
- Three out of four factories are water neutral or Positive
- Baddi plant runs on 85% hydro-electric power
- Alternative energy usage in Sanand and Sri City plants as well

Exhibit 1: Execution Prowess: Traditional Trade



Source: Company, MOFSL

Exhibit 2: Execution Prowess - New Retail

Category Supremacy II Strategic Partnerships

~75% Biz coverage have merchandisers



\$SOM over-indexed than TT

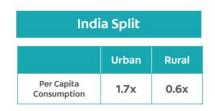
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DT Ecomm +180 bps +1040 bps

Source: Company, MOFSL

Exhibit 3: Opportunity: Volume





Urban ~ 20% Households brush twice a day

Rural ~55% Households do not brush daily

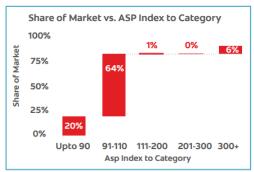
Source: Kantar World Panel

13 December 2022

Exhibit 4: Opportunity: Value

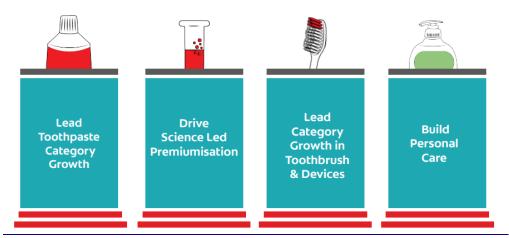
Potential for Premiumisation

MAT Mar'22b	Toothpaste	Toilet Soaps
Indexed Sp	ends/HH by Soci	o Economic Class
SEC A	+ 2x	4.4x
SEC C	1.4x	2.6x
SEC DE	Х	1.7x



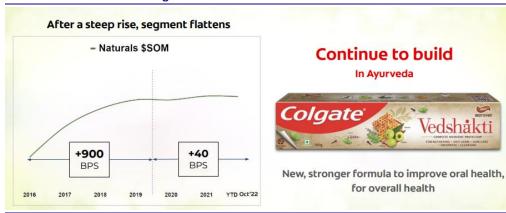
Source: Kantar World Panel, Nielsen

Exhibit 5: Strategy in Action: Growth Pillars



Source: Company

Exhibit 6: Naturals Plateauing



Source: Nielsen data

Exhibit 7: Drive Consumption

65% HH in Rural

55% don't brush daily

Drive <u>everyday</u> toothpaste consumption



Source: Kantar Panel

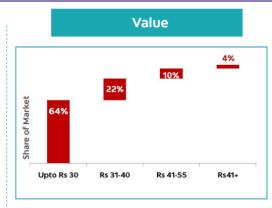
Exhibit 8: Toothbrush Opportunity

Volume			
	Urban	Rural	
Per Capita Consumption	1.3x	0.5x	

Brush Replacement

Urban ~ Once every 6 months

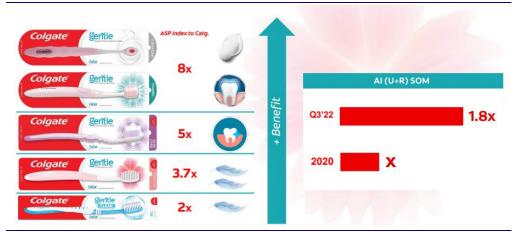
Rural ~ Once every 15 months



~90% market at <INR 50 price point

Source: Kantar World Panel

Exhibit 9: Premiumization with 'Gentle'



Source: Kantar World Panel

Financials and valuations

							(INR m)
Y/E March	2018	2019	2020	2021	2022	2023E	2024E
Net Sales	41,880	44,624	45,251	48,412	50,998	54,078	57,564
Change (%)	5.2	6.6	1.4	7.0	5.3	6.0	6.4
COGS	14,887	15,586	15,729	15,494	16,675	18,587	18,881
Gross Profit	26,992	29,039	29,522	32,918	34,323	35,491	38,683
Gross Margin (%)	64.5	65.1	65.2	68.0	67.3	65.6	67.2
Operating expenses	15,855	16,678	17,505	17,822	18,663	19,573	21,144
EBITDA	11,137	12,361	12,017	15,096	15,659	15,918	17,539
Change (%)	18.0	11.0	-2.8	25.6	3.7	1.6	10.2
Margin (%)	26.6	27.7	26.6	31.2	30.7	29.4	30.5
Depreciation	1,565	1,592	1,979	1,825	1,773	1,792	1,943
Int. and Fin. Charges	0	25	96	73	59	59	59
Financial Other Income	375	377	492	304	263	493	515
Profit before Taxes	9,947	11,120	10,434	13,502	14,090	14,559	16,052
Change (%)	16.8	11.8	-6.2	29.4	4.4	3.3	10.3
Margin (%)	23.8	24.9	23.1	27.9	27.6	26.9	27.9
Tax	3,022	3,566	2,475	3,572	3,768	3,668	4,044
Tax Rate (%)	31.1	32.1	21.7	25.6	25.7	25.2	25.2
Adjusted PAT	6,850	7,555	8,165	10,039	10,463	10,890	12,007
Change (%)	18.6	10.3	8.1	23.0	4.2	4.1	10.3
Margin (%)	16.4	16.9	18.0	20.7	20.5	20.1	20.9
Non-rec. (Exp)/Income	-117	201	0	315	320	0	0
Reported PAT	6,734	7,756	8,165	10,354	10,783	10,890	12,007
Balance Sheet Y/E March	2018	2019	2020	2021	2022	20225	(INR m)
Share Capital						2023E	2024E
	272	272	272	272	272	2023E 272	
Reserves					272	272	272
· · · · · · · · · · · · · · · · · · ·	272 14,974 15,246	272 14,196 14,468	15,670	272 11,387 11,659		272 17,075	272 17,075
Reserves	14,974	14,196		11,387	272 17,075	272	272 17,075 17,347
Reserves Net Worth Loans	14,974 15,246 0	14,196 14,468	15,670 15,942	11,387 11,659	272 17,075 17,347 0	272 17,075 17,347	272 17,075 17,347 0
Reserves Net Worth	14,974 15,246	14,196 14,468 777	15,670 15,942 0	11,387 11,659 0	272 17,075 17,347	272 17,075 17,347 0	272 17,075 17,347 0 -173
Reserves Net Worth Loans Deferred Liability	14,974 15,246 0 355	14,196 14,468 777 309	15,670 15,942 0 50	11,387 11,659 0 -48	272 17,075 17,347 0 -173	272 17,075 17,347 0 -173	272 17,075 17,347 0 -173
Reserves Net Worth Loans Deferred Liability	14,974 15,246 0 355	14,196 14,468 777 309	15,670 15,942 0 50	11,387 11,659 0 -48	272 17,075 17,347 0 -173	272 17,075 17,347 0 -173	272 17,075 17,347 0 -173 17,174
Reserves Net Worth Loans Deferred Liability Capital Employed	14,974 15,246 0 355 15,601	14,196 14,468 777 309 15,553	15,670 15,942 0 50 15,992	11,387 11,659 0 -48 11,611	272 17,075 17,347 0 -173 17,174	272 17,075 17,347 0 -173 17,174	272 17,075 17,347 0 -173 17,174 22,087
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block	14,974 15,246 0 355 15,601	14,196 14,468 777 309 15,553	15,670 15,942 0 50 15,992 22,182	11,387 11,659 0 -48 11,611	272 17,075 17,347 0 -173 17,174	272 17,075 17,347 0 -173 17,174 21,087 -12,749	272 17,075 17,347 0 -173 17,174 22,087 -14,692
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn.	14,974 15,246 0 355 15,601 19,077 -7,617 11,459	14,196 14,468 777 309 15,553 21,077 -9,169	15,670 15,942 0 50 15,992 22,182 -10,953	11,387 11,659 0 -48 11,611 19,831 -9,184	272 17,075 17,347 0 -173 17,174 20,587 -10,957	272 17,075 17,347 0 -173 17,174 21,087	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP	14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586	14,196 14,468 777 309 15,553 21,077 -9,169 11,909	15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets	14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312	14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312	15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments	14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282	14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058	15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A	14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282 2,267	14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058 2,486	15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678
Reserves Net Worth Loans Deferred Liability Capital Employed Gross Block Less: Accum. Depn. Net Fixed Assets Capital WIP Investments Curr. Assets, L&A Inventory	14,974 15,246 0 355 15,601 19,077 -7,617 11,459 1,586 312 12,282	14,196 14,468 777 309 15,553 21,077 -9,169 11,909 1,987 312 12,058	15,670 15,942 0 50 15,992 22,182 -10,953 11,229 1,900 186 12,725 2,969 1,326	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506
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	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506 9,437
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	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676 3,405	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547 4,631	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532 5,427	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506 9,437 5,521
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	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676 3,405 17,282	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547 4,631 11,672	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532 5,427 12,303	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506 9,437 5,521 12,582
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.	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676 3,405	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547 4,631	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532 5,427	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506 9,437 5,521 12,582 8,280
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	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676 3,405 17,282 7,604	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547 4,631 11,672 7,714	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532 5,427 12,303 8,177	272 17,075 17,347 0 -173 17,174 22,087 -14,692 7,395 1,218 0 21,142 3,678 2,506 9,437 5,521 12,582 8,280 3,221
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	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	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	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	11,387 11,659 0 -48 11,611 19,831 -9,184 10,647 1,448 186 16,611 3,358 1,171 8,676 3,405 17,282 7,604 8,555	272 17,075 17,347 0 -173 17,174 20,587 -10,957 9,630 1,218 0 17,997 3,572 2,247 7,547 4,631 11,672 7,714 2,978	272 17,075 17,347 0 -173 17,174 21,087 -12,749 8,338 1,218 0 19,920 3,607 2,354 8,532 5,427 12,303 8,177 3,096	-14,692

E: MOSL Estimates

Financials and valuations

Ratios							
Y/E March	2018	2019	2020	2021	2022	2023E	2024E
Basic (INR)							
EPS	25.2	27.8	30.0	36.9	38.5	40.0	44.1
Cash EPS	30.9	33.6	37.3	43.6	45.0	46.6	51.3
BV/Share	56.1	53.2	58.6	42.9	63.8	63.8	63.8
DPS	24.0	23.0	28.0	38.0	40.0	40.0	44.1
Payout %	95.3	82.8	93.3	103.0	104.0	100.0	100.0
Valuation (x)							
P/E	65.2	59.1	54.7	44.5	42.7	41.0	37.2
Cash P/E	53.1	48.8	44.0	37.6	36.5	35.2	32.0
EV/Sales	10.5	9.9	9.8	9.0	8.6	8.1	7.6
EV/EBITDA	39.7	35.8	36.8	29.0	28.0	27.5	24.9
P/BV	29.3	30.9	28.0	38.3	25.7	25.7	25.7
Dividend Yield (%)	1.5	1.4	1.7	2.3	2.4	2.4	2.7
Return Ratios (%)							
RoE	49.0	50.9	53.7	72.7	72.1	62.8	69.2
RoCE	47.9	48.6	52.2	73.1	73.0	63.7	70.2
Working Capital Ratios							
Debtor (Days)	17	17	11	9	16	16	16
Asset Turnover (x)	3.1	3.4	3.3	4.9	3.2	3.4	3.6
. ,							
Leverage Ratio							
Debt/Equity (x)	0.0	0.1	0.0	0.0	0.0	0.0	0.0
			0.0	0.0			
		0.1	0.0	0.0	0.0		0.10
		0.1	0.0	0.0	0.0		
Cash Flow Statement	2018	2019	2020	2021	2022	2023E	(INR m) 2024E
Cash Flow Statement Y/E March		2019	2020	2021	2022	2023E	(INR m) 2024E
Cash Flow Statement Y/E March OP/(loss) before Tax	9,947	2019 11,121	2020 10,434	2021 13,502	2022 14,090	2023E 14,559	(INR m) 2024E 16,052
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation	9,947 1,565	2019 11,121 1,592	2020 10,434 1,979	2021 13,502 1,825	2022 14,090 1,773	2023E 14,559 1,792	(INR m) 2024E 16,052 1,943
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received	9,947 1,565 81	2019 11,121 1,592 85	2020 10,434 1,979 -95	2021 13,502 1,825 58	2022 14,090 1,773 150	2023E 14,559 1,792 -493	(INR m) 2024E 16,052 1,943 -515
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid	9,947 1,565 81 -290	2019 11,121 1,592 85 -317	2020 10,434 1,979 -95 -171	2021 13,502 1,825 58 -137	2022 14,090 1,773 150 -208	2023E 14,559 1,792 -493 59	(INR m) 2024E 16,052 1,943 -515 59
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid	9,947 1,565 81 -290 -3,474	2019 11,121 1,592 85 -317 -4,144	2020 10,434 1,979 -95 -171 -3,213	2021 13,502 1,825 58 -137 -3,584	2022 14,090 1,773 150 -208 -3,699	2023E 14,559 1,792 -493 59 -3,668	(INR m) 2024E 16,052 1,943 -515 59 -4,044
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC	9,947 1,565 81 -290 -3,474 -889	2019 11,121 1,592 85 -317 -4,144 1,494	2020 10,434 1,979 -95 -171 -3,213	2021 13,502 1,825 58 -137 -3,584 -3,826	2022 14,090 1,773 150 -208 -3,699 4,151	2023E 14,559 1,792 -493 59 -3,668 -308	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid	9,947 1,565 81 -290 -3,474	2019 11,121 1,592 85 -317 -4,144	2020 10,434 1,979 -95 -171 -3,213	2021 13,502 1,825 58 -137 -3,584	2022 14,090 1,773 150 -208 -3,699	2023E 14,559 1,792 -493 59 -3,668	(INR m) 2024E 16,052 1,943 -515 59 -4,044
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations	9,947 1,565 81 -290 -3,474 -889 6,940	2019 11,121 1,592 85 -317 -4,144 1,494 9,830	2020 10,434 1,979 -95 -171 -3,213 -35 8,899	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839	2022 14,090 1,773 150 -208 -3,699 4,151 16,257	2023E 14,559 1,792 -493 59 -3,668 -308 11,942	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA	9,947 1,565 81 -290 -3,474 -889 6,940	2019 11,121 1,592 85 -317 -4,144 1,494 9,830	2020 10,434 1,979 -95 -171 -3,213 -35 8,899	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839	2022 14,090 1,773 150 -208 -3,699 4,151 16,257	2023E 14,559 1,792 -493 59 -3,668 -308 11,942	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest.	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest.	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 0
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 0 -12,007
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid Others	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986 -812	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462 -1,564	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315 -1,199	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211 -353	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481 0 0 -10,572 -334	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208 0 -10,890 -275	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 0 -12,007 -275
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 0 -12,007
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid Others CF from Fin. Activity	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986 -812 -3,798	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462 -1,564 -8,147	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315 -1,199 -8,514	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211 -353 -9,565	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481 0 0 -10,572 -334 -10,906	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208 0 0 -10,890 -275 -11,166	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 -12,007 -275 -12,282
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid Others CF from Fin. Activity Incr/Decr of Cash	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986 -812 -3,798	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462 -1,564 -8,147	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315 -1,199 -8,514	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211 -353 -9,565	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481 0 0 -10,572 -334 -10,906	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208 0 0 -10,890 -275 -11,166	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 0 -12,007 -275 -12,282
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Int./Div. Received Interest Paid Direct Taxes Paid (Incr)/Decr in WC CF from Operations (Incr)/Decr in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Invest. Change in Equity (Incr)/Decr in Debt Dividend Paid Others CF from Fin. Activity	9,947 1,565 81 -290 -3,474 -889 6,940 -2,087 4,853 0 564 -1,523 0 0 -2,986 -812 -3,798	2019 11,121 1,592 85 -317 -4,144 1,494 9,830 -1,042 8,788 0 -1,209 -2,251 0 -121 -6,462 -1,564 -8,147	2020 10,434 1,979 -95 -171 -3,213 -35 8,899 -604 8,295 133 305 -166 0 0 -7,315 -1,199 -8,514	2021 13,502 1,825 58 -137 -3,584 -3,826 7,839 -573 7,265 1,060 5,703 6,190 0 0 -9,211 -353 -9,565	2022 14,090 1,773 150 -208 -3,699 4,151 16,257 -493 15,765 -1,003 -4,985 -6,481 0 0 -10,572 -334 -10,906	2023E 14,559 1,792 -493 59 -3,668 -308 11,942 -500 11,442 0 708 208 0 0 -10,890 -275 -11,166	(INR m) 2024E 16,052 1,943 -515 59 -4,044 -37 13,457 -1,000 12,457 0 730 -270 0 -12,007 -275 -12,282

E: MOSL Estimates

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.

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