INSTITUTIONAL RESEARCH

# **Emami**

## BUY

## Hope continues...

Emami's 2Q was in-line with no negative surprises. Domestic business performance continues to be muted and own initiatives are still a WIP. Strong winter, recovery in macros and asset sales (drive lower pledged shares) are the key triggers for re-rating in the stock. Benign RM and favorable base will support 2HFY20 profit growth. We cut EPS estimates by 2% and value Emami at 30x on Sep-21E EPS, arriving at a TP of Rs 463. Maintain BUY.

#### **HIGHLIGHTS OF THE QUARTER**

- Domestic revenues grew by 2% (2%/flat in 1QFY20/2QFY19) with 1% volume growth (exp. flat). Cobenefited from stocking winter products (Boroplus grew by 39%) prior to the upcoming season. Ex-Boroplus, domestic biz degrew owing to dent in demand for discretionary products (F&H/Kesh King grew by -32/-11%). Emami's healthcare portfolio has underperformed vs. Dabur over the last 8 qtrs (6% growth vs. 16%). Market share gains have become irrelevant as core categories are struggling to grow.
- Rural grew at par with urban in 2QFY20 which was a key positive given its underperformance in 1QFY20 and sectors weak show in rural. Wholesale channel continues to contribute a high share of revenues (38-40% vs. 50-55% prior to GST). As a result, quarterly volatility in brand performance is expected to sustain.
  - International biz growth of 20% (34/4% in 1QFY20/2QFY19) was owing to 'Crème 21' acquisition

(acquired in Jan-19). Organic growth was at 7% driven by robust growth in Bangladesh (+30%) and partially offset by MENA (-3%) and CIS (-10%).

- GM expanded by 111bps to 69.7% (exp -140ps) owing to softening raw material (Menthol). We expect GM expansion to sustain over 2HFY20 (+200bps).
- Employee/A&P/Other expenses grew by 5/5/19% resulting in 3% EBITDA growth to Rs 1.92bn (exp Rs 1.85bn). EBITDAM expanded by -57bps to 29.2%. Lower taxes (-464bps) resulted in 15% growth in APAT to Rs 1,486mn vs. exp of Rs 1,295mn.

#### **STANCE**

Emami's underperformance over the last 3 years has not been caused by competitive intensity rather its own challenges like (1) High wholesale dependence, (2) Core brands' dependence on seasonality, (3) Limited portfolio for premiumisation and (4) Pledge related disturbance.

The company has made some progress in the last 2 years in diversifying its distribution from wholesale (~38% mix now vs. 52% earlier) to modern trade (9% mix now vs. 4% earlier) and direct reach (0.95mn stores vs. 0.63mn earlier). Benefits are coming at a gradual pace.

Recovery in macros (rural) coupled with a favorable season can lead to a rebound in Emami's performance. We remain believers, given favorable risk-reward and high probability for a consumer business to rebound.

### **Financial Summary (Consolidated)**

YE March (Rs mn)	2QFY20	2QFY19	YoY (%)	1QFY20	QoQ (%)	FY18	FY19	FY20E	FY21E	FY22E
Net Revenues	6,600	6,280	5.1	6,486	1.8	25,021	25,306	26,929	28,480	30,748
EBITDA	1,929	1,872	3.1	1,341	43.8	7,602	7,195	7,320	7,833	8,797
APAT	1,486	1,298	14.5	830	79.0	5,491	5,132	5,002	5,739	6,633
Diluted EPS (Rs)	3.27	2.86	14.5	1.83	79.0	12.1	11.3	11.0	12.6	14.6
P/E (x)						27.0	28.8	29.6	25.8	22.3
EV / EBITDA (x)						20.0	20.7	20.1	18.6	16.2
Core RoCE (%)						24.0	21.8	21.4	25.8	31.9

Source: Company, HDFC sec Inst Research

INDUSTRY	FMCG
CMP (as on 06 Nov 2019)	Rs 326
Target Price	Rs 463
Nifty	11,966
Sensex	40,470
KEY STOCK DATA	
Bloomberg	HMN IN
No. of Shares (mn)	454
MCap (Rs bn) / (\$ mn)	148/2,088
6m avg traded value (Rs mn)	406
STOCK PERFORMANCE (%)	

# 52 Week high / low Rs 470/246 3M 6M 12M Absolute (%) 3.9 (13.8) (21.7) Relative (%) (5.5) (18.6) (37.3)

SHAREHOLDING PATTERN (%)											
	Jun-19	Sep-19									
Promoters	52.74	52.74									
FIs & Local MFs	25.13	25.51									
FPIs	11.92	11.72									
Public & Others	10.21	10.03									
Pledged Shares (% of total shares)	24.69	36.54									
Source : BSE											

#### Naveen Trivedi

naveen.trivedi@hdfcsec.com +91-22-6171-7324

#### Siddhant Chhabria

siddhant.chhabria@hdfcsec.com +91-22-6171-7336



Domestic revenues grew by 2% (2%/flat in 1QFY20/2QFY19) with 1% volume growth

International biz growth of 20% (34/4% in 1QFY20/2QFY19) was owing to 'Crème 21' acquisition (acquired in Jan-19)

GM expanded by 111bps to 69.7% (exp -140ps) owing to softening raw material (Menthol)

Employee/A&P/Other expenses grew by 5/5/19% resulting in 3% EBITDA growth to Rs 1.92bn (exp Rs 1.85bn)

## **Quarterly Financials**

Year to March (Rs mn)	2QFY20	2QFY19	YoY (%)	1QFY20	QoQ (%)	FY19	FY18	YoY (%)
Net Revenue	6,600	6,280	5.1	6,486	1.8	26,929	25,306	9.0
Material Expenses	1,999	1,972	1.4	2,324	(14.0)	9,230	8,099	14.0
Employee Expenses	753	714	5.5	773	(3)	2,797	2,547	9.8
ASP Expenses	1,049	995	5.4	1,291	(18.7)	4,702	4,696	0.1
Other Operating Expenses	870	728	19.5	757	14.8	2,880	2,770	4.0
EBITDA	1,929	1,872	3.1	1,341	43.8	7,320	7,195	1.7
Depreciation & amortisation	819	815	0.5	837	(2.2)	3,253	3,109	4.7
EBIT	1,111	1,057	5.1	505	120.1	4,067	4,086	(0.5)
Other Income (Inc exceptional)	164	52	217.4	115	42.6	201	195	3.1
Interest Cost	93	44	112.3	44	113.8	214	343	(37.6)
РВТ	1,182	1,065	11.0	576	105.1	4,054	3,938	3.0
Tax	211	240	(11.8)	177	19.4	1,009	863	16.9
RPAT	970	825	17.6	399	143.0	3,023	3,075	(1.7)
Adjustment (Extra-ordinary items net of taxes)	516	473	9.1	431	19.7	1,978	2,057	(3.8)
APAT	1,486	1,298	14.5	830	79.0	5,002	5,132	(2.5)
EPS (Adjusted)	3.27	2.86	14.5	1.83	79.0	11.02	11.31	(2.5)

As a % of revenues	2QFY20	2QFY19	YoY (bps)	1QFY20	QoQ (bps)	FY19	FY18	YoY (bps)
Material Expenses	30.3	31.4	(111)	35.8	(555)	34.3	32.0	227
Employee Expenses	11.4	11.4	4	11.9	(51)	10.4	10.1	32
ASP	15.9	15.8	5	19.9	(400)	17.5	18.6	(110)
Other Operating Expenses	13.2	11.6	159	11.7	150	10.7	10.9	(25)
EBITDA Margin	29.2	29.8	(57)	20.7	855	27.2	28.4	(125)
Tax Rate	17.9	22.5	(463)	30.7	(1,282)	24.9	21.9	298
APAT Margin	22.5	20.7	185	12.8	972	18.6	20.3	(171)

Source: Company, HDFC sec Inst Research

## **Business Break-up**

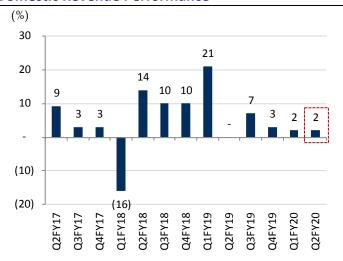
Revenue Mix (%)	3QFY17	4QFY17	1QFY18	2QFY18	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	2QFY20
Domestic	85.0	85.0	85.0	83.0	87.0	85.0	86.0	84.0	84.0	83.0	83.0	81.0
IMD	11.0	11.0	11.0	14.0	9.0	11.0	10.0	13.0	12.0	13.0	14.0	15.0
CSD	4.0	4.0	4.0	3.0	4.0	4.0	4.0	3.0	4.0	4.0	3.0	4.0



Emami has underperformed vs. other FMCG companies in the last 2 years although gained market share in their respective categories

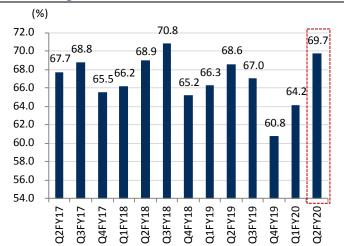
International business has rebounded led by acquisition of Crème 21. Management believes >10% growth is sustainable for organic business

### **Domestic Revenue Performance**



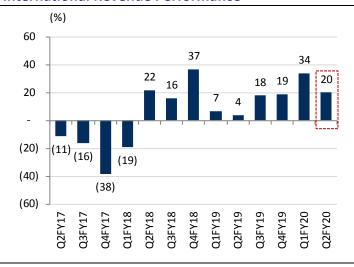
Source: Company, HDFC sec Inst Research

### **Gross Margin**



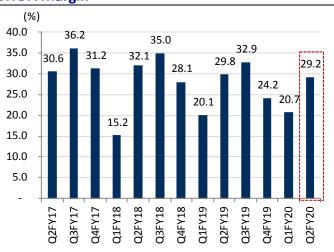
Source: Company, HDFC sec Inst Research

### **International Revenue Performance**



Source: Company, HDFC sec Inst Research

## **EBITDA Margin**





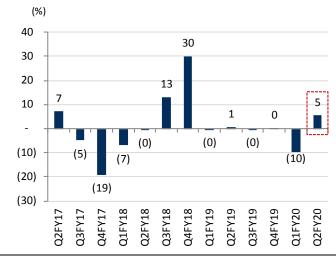
A&P spend has been muted during the last 4-5 quarters on account of weak performance. However as a % of sales it still stands high at ~20%

Boroplus performance benefited from stocking prior to season

Ex-Boroplus, domestic biz degrew owing to dent in demand for discretionary products (F&H/Kesh King grew by -32/-11%)

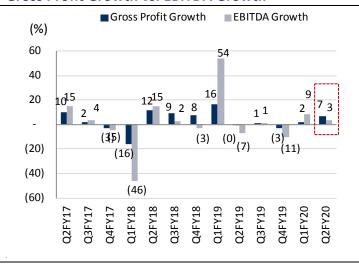
Emami's healthcare portfolio has underperformed vs. Dabur over the last 8 qtrs (6% growth vs. 16%).

#### **ASP Growth**



Source: Company, HDFC sec Inst Research

### **Gross Profit Growth vs. EBITDA Growth**



Source: Company, HDFC sec Inst Research

#### **Brand-wise Performance**

Brands	Q3FY17	Q4FY17	Q1FY18	Q2FY18	Q3FY18	Q4FY18	Q1FY19	Q2FY19	Q3FY19	Q4FY19	Q1FY20	Q2FY20
Boroplus Cream	13%	2%	41%	38%	10%	-2%	-15%	-7%	4%	17%	-7%	39%
Navratana Oil	-4%	5%	-15%	16%	15%	14%	19%	3%	10%	1%	4%	-3%
Male Grooming Range	-18%	-5%	-21%	10%	20%	8%	8%	12%	-2%	-4%	-7%	-32%
Pain Management	-5%	1%	-21%	15%	17%	13%	39%	-8%	6%	1%	-6%	4%
Kesh King Range	2%	1%	-28%	-16%	-19%	6%	10%	2%	26%	15%	30%	11%
Healthcare Range	-6%	-11%	-23%	2%	-3%	-2%	28%	1%	18%	9%	-3%	0%
International	-16%	-38%	-19%	22%	16%	37%	7%	4%	18%	19%	34%	20%



Emami has high dependence on SAARC and MENAP as they

international sales

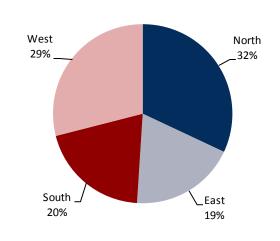
## **Emami's Core Strength And Past Performance**

#### **Brand-wise Performance**

Domestic Brands Gr. (%)	FY14	FY15	FY16	FY17	FY18	FY19
Navratna Cooling Oil	3	18	6	3	8	8
Boroplus Cream	(2)	11	8	15	22	2
Zandu & Mentho plus balm	2	16	12	6	6	7
Fair & Handsome	11	15	9	(6)	4	3
Navratna Cool Talc	7	32	4	26	2	na
HCD	36	25	34	(1)	2	12
Kesh King	na	na	na	48	(15)	13
Total	5	19	17	12	5	7

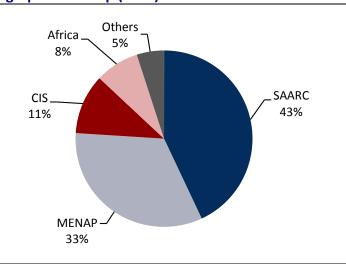
Source: Company, HDFC sec Inst Research

## **Regional Breakup**



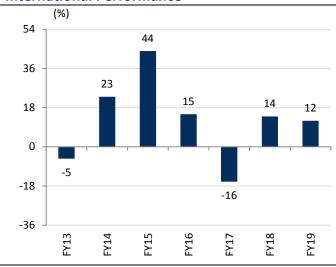
Source: Company, HDFC sec Inst Research

## constitute ~75% of Emami's **Geographic Breakup (FY19)**



Source: Company, HDFC sec Inst Research

### **International Performance**



Source: Company, HDFC sec Inst Research

#### Page | 5



Acquisition of 'Crème 21 will accelerate international growth in FY20

We cut estimates by ~2% to factor slower than expected recovery in volume growth

## **Assumptions**

Year to March (Rs mn)	FY17	FY18	FY19	FY20E	FY21E	FY22E
Revenue Growth (%)						
Domestic Gr. (%)	10.0	4.5	4.0	3.5	8.0	8.3
Navratna oil	3.0	7.5	8.0	2.5	8.0	8.0
Boroplus cream	15.0	21.8	2.0	11.5	8.0	8.0
Zandu & Mentho plus balm	6.0	6.0	7.0	1.0	7.0	8.0
Fair & Handsome	(6.0)	4.3	3.0	(5.0)	8.0	8.0
Kesh King	48.0	(15.4)	13.0	5.0	10.0	10.0
International Gr. (%)	(16.0)	14.0	12.0	20.6	7.6	7.6
Gross Margin (%)	66.7	68.0	65.7	66.5	67.5	67.5
Employee (% of sales)	9.4	10.1	10.4	10.8	10.9	11.1
ASP (% of sales)	17.7	18.6	17.5	16.9	16.9	16.6
Distribution (% of sales)	2.5	2.4	2.3	2.3	2.3	2.3
Other Expenses (% of sales)	6.7	8.5	8.4	9.0	8.8	8.7
EBITDA Margin (%)	30.4	28.4	27.2	27.5	28.6	28.8
Tax Rate (%)	19.7	21.9	24.9	21.2	20.0	20.0

Source: Company, HDFC sec Inst Research

## **Change in estimates**

	FY20E				FY21E		FY22E			
	OLD	NEW	Chg (%)	OLD	NEW	Chg (%)	OLD	NEW	Chg (%)	
Net Sales	29,150	28,480	(2.3)	31,665	30,748	(2.9)	34,401	33,263	(3.3)	
EBITDA	8,117	7,833	(3.5)	9,022	8,797	(2.5)	9,825	9,579	(2.5)	
APAT	5,883	5,739	(2.5)	6,671	6,633	(0.6)	7,492	7,369	(1.7)	
EPS	13.0	12.6	(2.5)	14.7	14.6	(0.6)	16.5	16.2	(1.7)	

Source: HDFC sec Inst Research



## **Peer Comparison**

	MCap	СМР		TP	ı	EPS (Rs)			P/E (x)		EV/	EBITDA	(x)	Cor	e RoCE	(%)
Companies	(Rs bn)	(Rs)	Reco.	(Rs)	FY19	FY20E	FY21E	FY19	FY20E	FY21E	FY19	FY20E	FY21E	FY19	FY20E	FY21E
HUL	4,628	2,172	NEU	2,017	28.1	34.3	42.2	77.2	63.3	51.5	52.1	47.1	36.3	248.6	38.7	28.0
ITC	2,960	263	BUY	368	10.4	12.9	14.0	25.2	20.3	18.8	16.0	14.5	13.0	39.2	46.3	49.1
Nestle	1,413	14,650	NR	13,640	167.1	233.6	278.1	87.7	62.7	52.7	50.8	43.6	37.3	82.1	114.7	137.3
Dabur	846	476	BUY	511	8.2	9.4	11.6	58.6	51.2	41.2	47.2	40.1	34.1	50.1	54.8	61.5
Britannia	776	3,231	BUY	3,594	48.1	58.6	71.9	67.2	55.1	44.9	44.0	39.8	32.5	39.2	43.1	49.8
Marico	472	366	NEU	391	7.2	8.7	10.3	50.8	42.0	35.7	36.7	29.6	26.0	48.8	47.5	52.9
Colgate	421	1,547	NEU	1,400	27.6	32.3	37.2	56.1	47.9	41.5	33.8	31.3	27.4	67.2	74.4	83.3
Emami	148	326	BUY	463	11.0	12.6	14.6	29.6	25.8	22.3	20.1	18.6	16.2	21.4	25.8	31.9
Jub. Food	205	1,557	BUY	2,134	24.1	33.2	42.1	64.6	46.9	36.9	33.1	29.1	22.7	45.8	35.5	25.8
United Spirits	465	640	BUY	738	10.2	12.6	16.4	62.5	50.8	39.1	36.1	29.7	25.1	15.8	18.4	21.6
Radico Khaitan	42	318	BUY	496	14.1	18.9	21.2	22.5	16.9	15.0	13.0	11.9	9.7	11.5	14.9	15.2

Source: HDFC sec Inst Research



#### **Income Statement**

(Rs mn)	FY18	FY19	FY20E	FY21E	FY22E
Net Revenues	25,306	26,929	28,480	30,748	33,263
Growth (%)	4.5	6.4	5.8	8.0	8.2
Material Expense	8,099	9,230	9,550	9,982	10,803
Employee Expense	2,547	2,797	3,071	3,355	3,691
ASP Expense	4,696	4,702	4,803	5,198	5,536
Distribution Expense	619	624	660	712	771
Other Expense	2,151	2,256	2,563	2,703	2,884
EBITDA	7,195	7,320	7,833	8,797	9,579
EBITDA Growth (%)	(5.4)	1.7	7.0	12.3	8.9
EBITDA Margin (%)	28.4	27.2	27.5	28.6	28.8
Depreciation & Amortisation	3,109	3,253	3,319	3,389	3,435
EBIT	4,086	4,067	4,514	5,408	6,145
Other Income (Inc. EO Items)	195	299	440	436	570
Interest	343	214	219	99	55
PBT	3,938	4,054	4,736	5,745	6,660
Tax	863	1,009	1,004	1,149	1,332
RPAT	3,064	3,023	3,732	4,596	5,328
Adjustment	2,069	1,978	2,007	2,037	2,040
APAT	5,132	5,002	5,739	6,633	7,369
APAT Growth (%)	(6.5)	(2.5)	14.7	15.6	11.1
Adjusted EPS (Rs)	11.3	11.0	12.6	14.6	16.2
EPS Growth (%)	(6.5)	(2.5)	14.7	15.6	11.1

Source: Company, HDFC sec Inst Research

Note: Acquisition of 'Crème 21' is factored from FY20

## **Balance Sheet**

(Rs mn)	FY18	FY19	FY20E	FY21E	FY22E
SOURCES OF FUNDS	20	25			
Share Capital - Equity	227	454	454	454	454
Reserves	19,909	20,355	21,052	21,751	22,750
Total Shareholders' Funds	20,136	20,809	21,506	22,205	23,204
Minority interest	6	(2)	(2)	(2)	(2)
Long Term Debt	-	-	-	-	-
Short Term Debt	3,259	1,098	298	98	-
Total Debt	3,259	1,098	298	98	-
Net Deferred Taxes	118	160	160	160	160
Non Current Liabilities	580	505	494	482	471
TOTAL SOURCES OF FUNDS	24,098	22,570	22,456	22,943	23,833
APPLICATION OF FUNDS					
Net Block	8,005	7,490	8,225	8,860	9,565
CWIP (Including capital advances)	226	-	-	-	-
Goodwill	10,095	8,774	7,186	4,647	2,109
Non Current Investments	1,855	1,855	1,855	1,855	1,855
Other Non Current Assets	790	790	790	790	790
<b>Total Non-current Assets</b>	20,971	18,910	18,056	16,153	14,319
Inventories	1,940	2,217	2,345	2,532	2,739
Debtors	1,559	2,164	2,249	2,386	2,536
Other Current Assets	1,433	1,953	2,053	2,153	2,253
Cash & Equivalents	2,076	2,239	2,908	5,165	7,856
<b>Total Current Assets</b>	7,008	8,572	9,555	12,235	15,383
Creditors	2,420	2,914	3,015	3,151	3,410
Other Current Liabilities	1,460	1,998	2,140	2,293	2,459
<b>Total Current Liabilities</b>	3,880	4,912	5,155	5,444	5,869
Net Current Assets	3,127	3,660	4,400	6,791	9,514
TOTAL APPLICATION OF FUNDS	24,098	22,570	22,456	22,943	23,833



#### INSTITUTIONAL RESEARCH

### **Cash Flow Statement**

Cush How Statement					
(Rs mn)	FY18	FY19	FY20E	FY21E	FY22E
Reported PBT	3,938	4,054	4,736	5,745	6,660
Non-operating & EO Items	(90)	-	-	-	-
Interest Expenses	343	214	219	99	55
Depreciation	3,109	3,253	3,319	3,389	3,435
Working Capital Change	(612)	740	(570)	(634)	(532)
Tax Paid	(809)	(1,009)	(1,004)	(1,149)	(1,332)
OPERATING CASH FLOW (a)	5,878	7,253	6,699	7,450	8,285
Capex	(1,232)	(1,192)	(2,465)	(1,485)	(1,601)
Free Cash Flow (FCF)	4,646	6,061	4,234	5,965	6,684
Investments	(2,278)	-	-	-	-
Non-operating Income	719	3	-	-	-
INVESTING CASH FLOW ( b )	(2,791)	(1,188)	(2,465)	(1,485)	(1,601)
Debt Issuance/(Repaid)	(1,470)	-	(800)	(200)	(98)
Interest Expenses	(344)	(214)	(219)	(99)	(55)
FCFE	1,273	5,850	3,215	5,665	6,532
Share Capital Issuance	-	-	-	-	-
Dividend	(1,423)	(2,351)	(3,034)	(3,897)	(4,329)
Others	-	(35)	(12)	(12)	(12)
FINANCING CASH FLOW ( c )	(3,237)	(2,600)	(4,064)	(4,208)	(4,493)
NET CASH FLOW (a+b+c)	(150)	3,464	169	1,757	2,191
EO Items, Others	(445)	2,099	-	-	-
Closing Cash & Equivalents	795	2,160	2,329	4,086	6,277

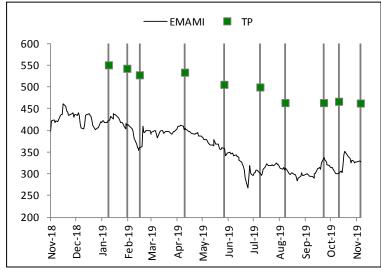
Source: Company, HDFC sec Inst Research

## **Key Ratios**

Key Ratios	FV10	FV10	FV20F	FV24F	- FV22F
DDOSITABILITY (9/)	FY18	FY19	FY20E	FY21E	FY22E
PROFITABILITY (%)	60.0	CF 7	CC <b>F</b>	67.5	67.5
GPM	68.0	65.7	66.5	67.5	67.5
ASP (% of sales)	18.6	17.5	16.9	16.9	16.6
EBITDA Margin	28.4	27.2	27.5	28.6	28.8
EBIT Margin	16.1	15.1	15.9	17.6	18.5
APAT Margin	20.3	18.6	20.1	21.6	22.2
RoE	27.2	24.4	27.1	30.3	32.5
RoIC (or Core RoCE)	21.8	21.4	25.8	31.9	38.8
RoCE	13.6	13.1	15.8	19.1	21.0
EFFICIENCY					
Tax Rate (%)	21.9	24.9	21.2	20.0	20.0
Fixed Asset Turnover (x)	3.2	3.6	3.5	3.5	3.5
Inventory (days)	28.0	30.1	30.1	30.1	30.1
Debtors (days)	22.5	29.3	28.8	28.3	27.8
Other Current Assets (days)	20.7	26.5	26.3	25.6	24.7
Payables (days)	34.9	39.5	38.6	37.4	37.4
Other Current Liab & Provns (days)	21.1	27.1	27.4	27.2	27.0
Cash Conversion Cycle (days)	15.2	19.3	19.1	19.3	18.2
Net D/E (x)	0.1	(0.1)	(0.1)	(0.2)	(0.3)
Interest Coverage (x)	11.9	19.0	20.7	54.4	112.1
PER SHARE DATA (Rs)					
EPS	11.3	11.0	12.6	14.6	16.2
CEPS	12.8	12.7	14.4	16.5	18.2
Dividend	7.0	4.4	5.7	7.3	8.1
Book Value	44.4	45.8	47.4	48.9	51.1
VALUATION					
P/E (x)	28.8	29.6	25.8	22.3	20.1
P/BV (x)	7.3	7.1	6.9	6.7	6.4
EV/EBITDA (x)	20.7	20.1	18.6	16.2	14.6
EV/Revenues (x)	5.9	5.5	5.1	4.6	4.2
OCF/EV (%)	3.9	4.9	4.6	5.2	5.9
FCF/EV (%)	3.1	4.1	2.9	4.2	4.8
FCFE/Mkt Cap (%)	0.9	4.0	2.2	3.8	4.4
Dividend Yield (%)	2.1	1.4	1.7	2.2	2.5



#### **RECOMMENDATION HISTORY**



Date	CMP	Reco	Target
9-Jan-19	423	BUY	551
1-Feb-19	411	BUY	543
19-Feb-19	362	BUY	528
10-Apr-19	402	BUY	534
28-May-19	356	BUY	506
9-Jul-19	300	BUY	500
9-Aug-19	312	BUY	464
22-Sep-19	324	BUY	464
11-Oct-19	299	BUY	467
6-Nov-19	326	BUY	463

#### **Rating Definitions**

BUY : Where the stock is expected to deliver more than 10% returns over the next 12 month period NEUTRAL : Where the stock is expected to deliver (-)10% to 10% returns over the next 12 month period : Where the stock is expected to deliver less than (-)10% returns over the next 12 month period

# HDFC securities Institutional Equities

Unit No. 1602, 16th Floor, Tower A, Peninsula Business Park, Senapati Bapat Marg, Lower Parel, Mumbai - 400 013

Board: +91-22-6171 7330 www.hdfcsec.com



#### INSTITUTIONAL RESEARCH

#### Disclosure:

We, Naveen Trivedi, MBA & Siddhant Chhabria, PGDBM, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. HSL has no material adverse disciplinary history as on the date of publication of this report. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report.

Research Analyst or his/her relative or HDFC Securities Ltd. does not have any financial interest in the subject company. Also Research Analyst or his relative or HDFC Securities Ltd. or its Associate may have beneficial ownership of 1% or more in the subject company at the end of the month immediately preceding the date of publication of the Research Report. Further Research Analyst or his relative or HDFC Securities Ltd. or its associate does not have any material conflict of interest.

#### Any holding in stock -No

HDFC Securities Limited (HSL) is a SEBI Registered Research Analyst having registration no. INH000002475.

#### Disclaimer:

This report has been prepared by HDFC Securities Ltd and is solely for information of the recipient only. The report must not be used as a singular basis of any investment decision. The views herein are of a general nature and do not consider the risk appetite or the particular circumstances of an individual investor; readers are requested to take professional advice before investing. Nothing in this document should be construed as investment advice. Each recipient of this document should make such investigations as they deem necessary to arrive at an independent evaluation of an investment in securities of the companies referred to in this document (including merits and risks) and should consult their own advisors to determine merits and risks of such investment. The information and opinions contained herein have been compiled or arrived at, based upon information obtained in good faith from 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. Descriptions of any company or companies or their securities mentioned herein are not intended to be complete. HSL is not obliged to update this report for such changes. HSL has the right to make changes and modifications at any time.

This report is not directed to, or intended for display, downloading, printing, reproducing or for distribution to or use by, any person or entity who is a citizen or resident or located in any locality, state, country or other jurisdiction where such distribution, publication, reproduction, availability or use would be contrary to law or regulation or what would subject HSL or its affiliates to any registration or licensing requirement within such jurisdiction.

If this report is inadvertently sent or has reached any person in such country, especially, United States of America, the same should be ignored and brought to the attention of the sender. This document may not be reproduced, distributed or published in whole or in part, directly or indirectly, for any purposes or in any manner.

Foreign currencies denominated securities, wherever mentioned, are subject to exchange rate fluctuations, which could have an adverse effect on their value or price, or the income derived from them. In addition, investors in securities such as ADRs, the values of which are influenced by foreign currencies effectively assume currency risk. It should not be considered to be taken as an offer to sell or a solicitation to buy any security.

This document is not, and should not, be construed as an offer or solicitation of an offer, to buy or sell any securities or other financial instruments. This report should not be construed as an invitation or solicitation to do business with HSL. HSL may from time to time solicit from, or perform broking, or other services for, any company mentioned in this mail and/or its attachments.

HSL and its affiliated company(ies), their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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.

HSL, its directors, analysts or employees do not take any responsibility, financial or otherwise, of the losses or the damages sustained due to the investments made or any action taken on basis of this report, including but not restricted to, fluctuation in the prices of shares and bonds, changes in the currency rates, diminution in the NAVs, reduction in the dividend or income, etc.

HSL and other group companies, its directors, associates, employees may have various positions in any of the stocks, securities and financial instruments dealt in the report, or may make sell or purchase or other deals in these securities from time to time or may deal in other securities of the companies / organizations described in this report.

HSL or its associates might have managed or co-managed public offering of securities for the subject company or might have been mandated by the subject company for any other assignment in the past twelve months.

HSL or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from t date of this report for services in respect of managing or co-managing public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction in the normal course of business.

HSL or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither HSL nor Research Analysts have any material conflict of interest at the time of publication of this report. Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. HSL may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Research entity has not been engaged in market making activity for the subject company. Research analyst has not served as an officer, director or employee of the subject company. We have not received any compensation/benefits from the subject company or third party in connection with the Research Report.

HDFC securities Limited, I Think Techno Campus, Building - B, "Alpha", Office Floor 8, Near Kanjurmarg Station, Opp. Crompton Greaves, Kanjurmarg (East), Mumbai 400 042 Phone: (022) 3075 3400 Fax: (022) 2496 5066

Compliance Officer: Binkle R. Oza Email: complianceofficer@hdfcsec.com Phone: (022) 3045 3600

HDFC Securities Limited, SEBI Reg. No.: NSE, BSE, MSEI, MCX: INZ000186937; AMFI Reg. No. ARN: 13549; PFRDA Reg. No. POP: 11092018; IRDA Corporate Agent License No.: HDF 2806925/HDF C000222657; SEBI Research Analyst Reg. No.: INH000002475; SEBI Investment Adviser Reg. No.: INA000011538; CIN - U67120MH2000PLC152193

Mutual Funds Investments are subject to market risk. Please read the offer and scheme related documents carefully before investing.