

# Kaveri Seeds

Estimate change	↔
TP change	↔
Rating change	↔

Bloomberg	KSCL IN
Equity Shares (m)	63
M.Cap.(INRb)/(USDb)	30.9 / 0.4
52-Week Range (INR)	816 / 469
1, 6, 12 Rel. Per (%)	-2/-26/-14
12M Avg Val (INR M)	200

## Financials & Valuations (INR b)

Y/E Mar	2022E	2023E	2024E
Sales	9.7	11.8	13.0
EBITDA	2.0	3.0	3.3
PAT	2.1	3.0	3.4
EBITDA (%)	20.1	25.1	25.2
EPS (INR)	35.4	51.6	57.7
EPS Gr. (%)	(33.4)	46.0	11.9
BV/Sh. (INR)	222	264	313

## Ratios

Net D/E	(0.5)	(0.5)	(0.5)
RoE (%)	16.3	21.2	20.0
RoCE (%)	17.7	23.9	22.6
Payout (%)	19.9	18.2	16.2

## Valuations

P/E (x)	14.5	9.9	8.9
EV/EBITDA (x)	16.4	10.8	9.6
Div Yield (%)	1.2	1.6	1.6
FCF Yield (%)	4.7	7.3	9.1

## Shareholding pattern (%)

As On	Dec-21	Sep-21	Dec-20
Promoter	57.4	57.3	55.5
DII	6.7	7.5	12.2
FII	19.1	18.2	14.1
Others	16.8	17.0	18.1

**CMP: INR512** **TP: INR635 (+24%)** **Buy**

## Better maize and selection rice volumes drive performance

### Operating performance better than our expectation

- Kaveri Seeds (KSCL) reported in-line sales in 3QFY22 with higher sales growth in selection rice (+44 % YoY) and maize (13% YoY). Its operating performance was better than our estimate.
- We largely retain our FY22E/FY23E/FY24E earnings for KSCL. Its 3QFY22 revenue contributed to just 13% of its total annual revenue. We value the stock at 11x FY24E EPS to arrive at our TP of INR635. Reiterate **BUY** with a 24% potential upside.

### Non-cotton seeds continue to drive sales

- Consolidated revenue rose 6% YoY to INR1.3b (est. of INR1.3b) in 3QFY22. EBITDA declined 28% YoY to INR74m (est. of INR65m). EBITDA margin contracted 270bp YoY to 5.9% (est. of 5.0%). Gross margin stood at 51.8% (-10bp YoY). As a percentage of sales, employee cost was at 20.9% (v/s 20.7% YoY), while other expenses stood at 25.1% (v/s 22.6% YoY). Adjusted PAT stood at INR76m, down 16% YoY (est. of INR87m).
- Revenue/EBITDA/PAT declined 7%/32%/32% YoY to INR9.0b/INR2.1b/INR2.2b in 9MFY22, respectively.
- Cotton seed volumes dropped 26% YoY to 5.2m packets in 9MFY22, leading to a 24% decline in revenue to INR3.3b. KSCL gained cotton seed market share in Gujarat, Maharashtra and Haryana, while it lost share in Andhra Pradesh and Telangana. The contribution from new products in Maize rose to 25.49% from 9.55% of volumes. Maize seed volumes dipped 24% YoY to 7,649MT and revenue declined 13% YoY to INR1,630m in 9MFY22.
- Hybrid rice volumes rose 22% to 6,834m packets in 9MFY22, leading to a revenue growth of 32% YoY to INR1,730m. Introduction of new hybrid 7299, 471, and 473 led to strong growth in this segment. Selection rice volumes grew 7% at 15,685MT in 9MFY22, while topline increased 21% YoY to INR1,150m in 9MFY22.
- Revenue from vegetable seeds rose 8% YoY to INR330m in 9MFY22, driven by a 2% growth in volumes to 183m packets.

### Highlights from the management commentary

- The management expects a 10% growth for cotton seeds in FY23 over FY22. 1H FY22 was impacted by increasing unbranded cotton seed sales. The management believes that margins would reach normalized levels in FY23.
- Despite a decline in volumes and revenue, KSCL gained market share in cotton seed in Gujarat, Maharashtra and Haryana. The company reported a drop in sales in Andhra Pradesh and Telangana.
- Adding new crops such as mustard and wheat, which have a great potential in the years to come, would be the next growth engine for the company.

**Valuation and view**

- KSCL is well on track to diversify from cotton seed sales by increasing the share of higher margin rice and vegetables, which are growing at a faster pace.
- KSCL's operating performance was better than our estimate.
- We largely maintain our FY22E/FY23E/FY24E earnings for KSCL. Its 3QFY22 revenue contributed to just 13% of its total annual revenue. We value the stock at 11x FY24E EPS to arrive at our TP of INR635. Reiterate BUY with a 24% potential upside.

**Quarterly – Consolidated****(INR m)**

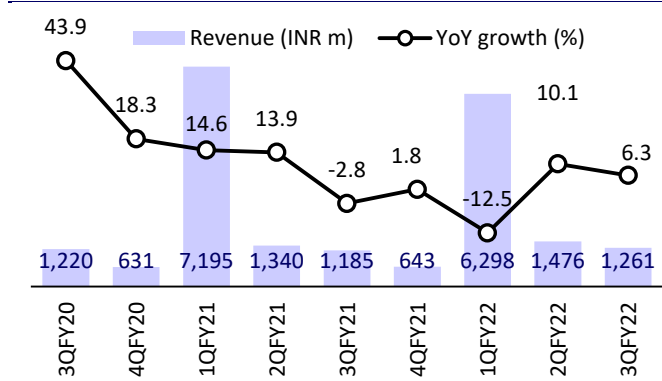
Y/E March	FY21				FY22				FY21	FY22E	FY22	Var
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE			3QE	%
<b>Net Sales</b>	<b>7,195</b>	<b>1,340</b>	<b>1,185</b>	<b>643</b>	<b>6,298</b>	<b>1,476</b>	<b>1,261</b>	<b>677</b>	<b>10,363</b>	<b>9,711</b>	<b>1,297</b>	<b>-3</b>
YoY Change (%)	14.6	13.9	-2.8	1.8	-12.5	10.1	6.3	5.4	11.4	-6.3	9.4	
Total Expenditure	4,325	1,174	1,083	801	4,302	1,412	1,187	858	7,383	7,758	1,232	
<b>EBITDA</b>	<b>2,869</b>	<b>167</b>	<b>102</b>	<b>-158</b>	<b>1,996</b>	<b>64</b>	<b>74</b>	<b>-181</b>	<b>2,980</b>	<b>1,953</b>	<b>65</b>	<b>13</b>
Margin (%)	39.9	12.4	8.6	-24.6	31.7	4.3	5.9	-26.7	28.8	20.1	5.0	
Depreciation	55	56	56	56	48	50	55	56	222	208	55	
Interest	1	2	0	2	0	0	0	0	5	1	1	
Other Income	235	105	75	42	151	151	68	47	457	416	83	
<b>PBT before EO expense</b>	<b>3,049</b>	<b>214</b>	<b>121</b>	<b>-174</b>	<b>2,099</b>	<b>165</b>	<b>87</b>	<b>-191</b>	<b>3,210</b>	<b>2,160</b>	<b>93</b>	
Extra-Ord expense	0	0	0	0	0	0	0	0	0	0	0	
<b>PBT</b>	<b>3,049</b>	<b>214</b>	<b>121</b>	<b>-174</b>	<b>2,099</b>	<b>165</b>	<b>87</b>	<b>-191</b>	<b>3,210</b>	<b>2,160</b>	<b>93</b>	
Tax	84	-20	30	4	52	37	16	-11	98	93	6	
Rate (%)	2.8	-9.4	24.4	-2.4	2.5	22.3	18.7	6.0	3.1	4.3	6	
MI & Profit/Loss of Asso. Cos.	-11	1	0	4	-10	0	6	4	-7	0	0	
<b>Reported PAT</b>	<b>2,953</b>	<b>235</b>	<b>91</b>	<b>-174</b>	<b>2,037</b>	<b>128</b>	<b>76</b>	<b>-175</b>	<b>3,105</b>	<b>2,067</b>	<b>87</b>	<b>-12</b>
<b>Adj PAT</b>	<b>2,953</b>	<b>235</b>	<b>91</b>	<b>-174</b>	<b>2,037</b>	<b>128</b>	<b>76</b>	<b>-175</b>	<b>3,105</b>	<b>2,067</b>	<b>87</b>	<b>-12</b>
YoY Change (%)	28.6	72.1	10.4	-329.3	-31.0	-45.3	-16.1	0.8	19.9	-33.4	-5	
Margins (%)	41.0	17.5	7.7	-27.0	32.4	8.7	6.1	-25.9	30.0	21.3	6.7	

**Key Performance Indicators**

Y/E March	FY21				FY22				FY21	FY22E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE		
Segment Revenue Growth (%)										
Cotton seed	4.8	(69.3)	(114.5)	30.9	(27.5)	87.4	(431.2)	4.0	(2.2)	(23.6)
Hybrid Rice	53.2	(65.7)	427.2	(50.5)	43.3	107.8	(62.1)	7.1	55.9	31.6
Maize Seeds	8.7	112.7	(26.0)	95.7	(7.8)	(38.3)	13.4	(11.9)	18.4	(12.4)
Cotton Seed Vol (m packets)	7.0	0.1	(0.1)	0.0	5.0	0.3	0.0	0.0	(1.9)	(25.2)
Cost Break-up										
RM Cost (% of sales)	52.4	57.5	48.1	45.8	55.9	61.9	48.2	46.8	52.2	55.2
Staff Cost (% of sales)	2.3	15.7	20.7	35.4	3.2	15.4	20.9	37.0	8.2	9.7
Other Cost (% of sales)	5.4	14.4	22.6	43.4	9.2	18.3	25.1	43.0	10.9	15.0
Gross Margins (%)	47.6	42.5	51.9	54.2	44.1	38.1	51.8	53.2	47.8	44.8
EBITDA Margins (%)	39.9	12.4	8.6	-24.6	31.7	4.3	5.9	-26.7	28.8	20.1
EBIT Margins (%)	42.4	16.1	10.3	-26.8	33.3	11.2	6.9	-28.1	34.6	20.9

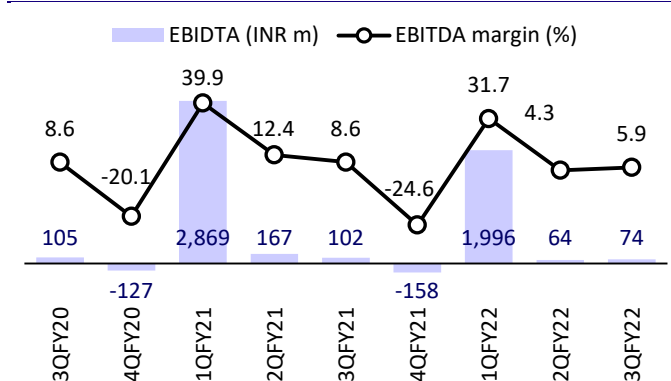
## Key Exhibits

Exhibit 1: Revenue trend



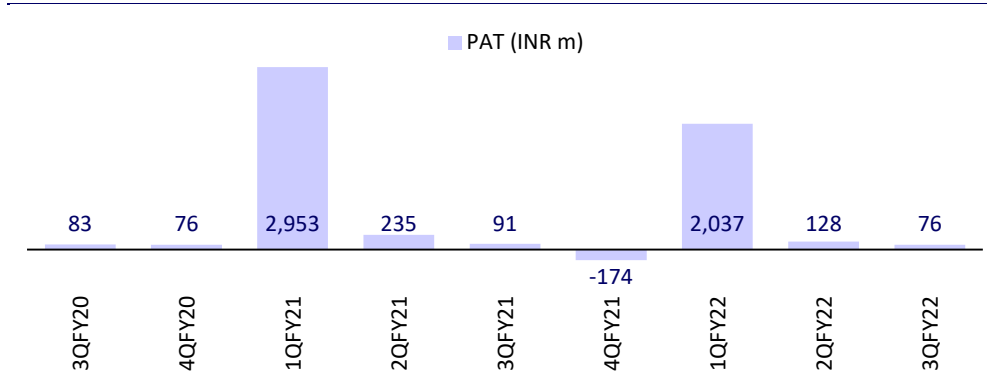
Source: Company, MOFSL

Exhibit 2: EBITDA margin trend



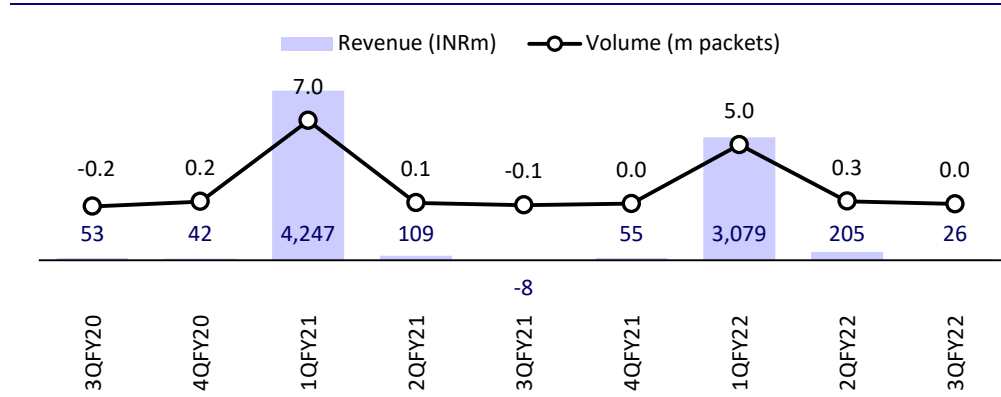
Source: Company, MOFSL

Exhibit 3: Adj. PAT trend

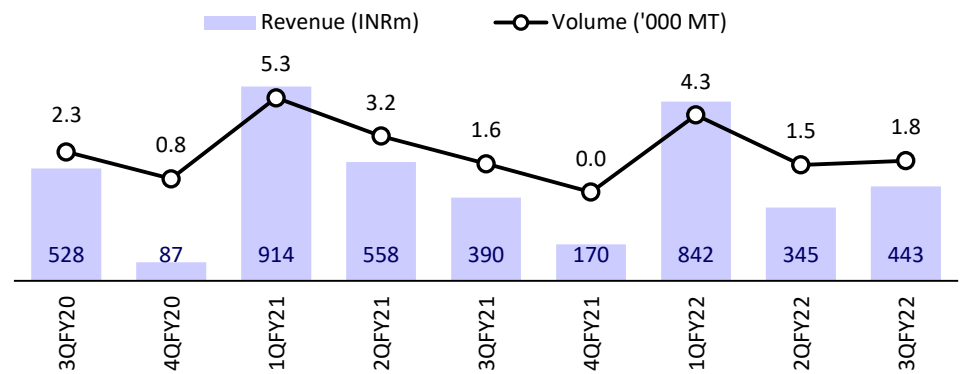


Source: Company, MOFSL

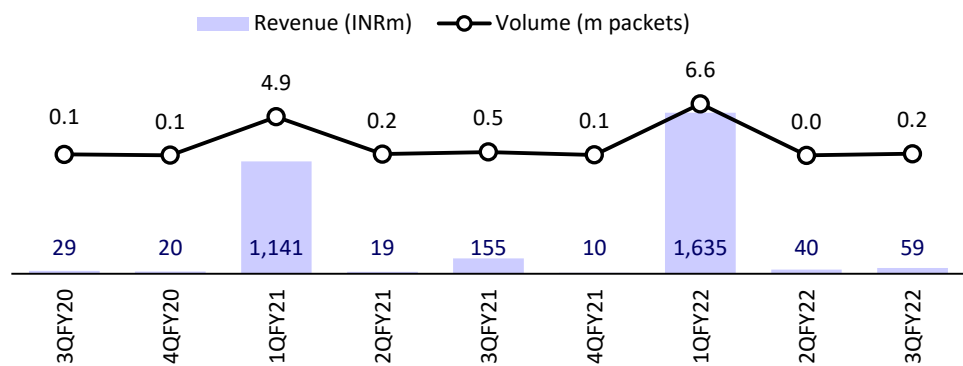
Exhibit 4: Cotton revenue and volume trends



Source: Company, MOFSL

**Exhibit 5: Maize revenue and volume trends**

Source: Company, MOFSL

**Exhibit 6: Hybrid rice revenue and volume trends**

Source: Company, MOFSL



## Conference call highlights

### Cotton

- Cotton continues to face significant challenges as the share of illegal cotton seed sale has hampered 1HFY22 performance. The company expects this situation to improve going ahead as there is a shift towards branded cotton.
- KSCL registered volume de-growth of 26% in 9MFY22 in the cotton seed segment, with corresponding revenue dropping 24% YoY over the same period.
- Despite drop in volumes and revenue, KSCL gained market share in cotton seed in Gujarat, Maharashtra and Haryana. It reported a sales drop in Andhra Pradesh and Telangana.
- The company has a saleable cotton inventory of 8m to 9m packets, which is in line with last year's inventory.
- The management expects a 10% growth over FY22 for cotton seeds. 1HFY22 was impacted by increasing unbranded cotton seed sales. The management believes that margins would reach normalized levels in FY23.
- In line with the company's focus, the contribution from non-cotton segment in 9MFY22 has increased to 62% from 53% in 9MFY21.

### Maize

- Maize seed segment reported 11% volume growth and 13% revenue growth during the quarter.
- The contribution from new products in Maize rose to 25.49% from 9.55% of volumes.

### Hybrid rice

- Hybrid Rice volumes increased 22.38% in 9MFY22 along with a 32% revenue growth to INR1.7b in 9MFY22.
- The introduction of the new hybrids KPH471, KPH473 & KRH7299 has helped to achieve this strong growth.
- The contribution of new hybrid rice products rose to 75.68% from 67.93%.
- Revenue from the selection rice surged 21% in 9MFY22 with 7% volume growth.

### Vegetables

- Vegetables sales revenue increased by 8% in 9MFY22, despite excess rain in North East and South India resulting in lower Okra sales in the quarter.
- The management has guided for a better 4QFY22 on a YoY basis.

### Other highlights

- In line with 1HFY22, 3QFY22 also saw the non-cotton portfolio performing much better against cotton. Despite a decline in the overall market of Rice (~5%), KSCL registered significant (20%-25%) growth in this segment.
- Erratic rainfall in 3QFY22 across all major states adversely affected vegetable sowing thereby impacting the vegetable seed business across industry.
- **Cash:** Cash stood at INR3.14b as on Dec'21 v/s INR3.74b in Sep'21.
- **Volume mix:** Currently share of non-cotton products is ~60%; going forward, the share is further expected to improve.

- **Export:** KSCL is shifting its focus towards exports and gaining traction in the Middle East and Africa markets as it aims to form a significant chunk of revenue from exports in the near term.
- **Buyback:** The company completed a buyback of 2m equity shares from the open market worth INR1.2b in the quarter.
- Contribution from new products across seed segments remained stable during the year; this should move upwards during the next year and could be the biggest driver for the company.
- Conversion from traditional seeds to hybrids in rice, maize and vegetables and increased demand consumption of healthy foods would improve demand for non-cotton, margin-accretive seeds.
- Adding new crops such as mustard and wheat, which have a great potential in the years to come, would be the next growth engine for the company.
- The company is expecting large contributing States to resume the tendering process for seeds during the next year, as the pandemic recedes.
- KSCL expects the provision reversal income of INR150m to be received from the government in early H1FY22, which would directly impact its profit level.

#### Valuation and view

- KSCL is well on track to diversify from cotton seed sales by increasing the share of higher margin rice and vegetables, which are growing at a faster pace.
- KSCL's operating performance was better than our estimate.
- We largely maintain our FY22E/FY23E/FY24E earnings for KSCL. Its 3QFY22 revenue contributed to just 13% of its total annual revenue. We value the stock at 11x FY24E EPS to arrive at our TP of INR635. Reiterate BUY with a 24% potential upside.

#### Exhibit 7: Change in estimates

Earnings Change (INR m)	Old			New			Change (%)		
	FY22E	FY23E	FY23E	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E
Revenue	9,749	11,858	13,099	9,711	11,766	12,999	0	-1	-1
EBITDA	1,936	3,019	3,349	1,953	2,952	3,275	1	-2	-2
Adj. PAT	2,070	3,064	3,429	2,067	3,017	3,376	0	-2	-2

Source: MOFSL

## Financials and valuations

### Consolidated Income Statement

(INR m)

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
<b>Net Sales</b>	<b>7,449</b>	<b>7,050</b>	<b>8,192</b>	<b>8,094</b>	<b>9,303</b>	<b>10,363</b>	<b>9,711</b>	<b>11,766</b>	<b>12,999</b>
Change (%)	-35.9	-5.4	16.2	-1.2	14.9	11.4	-6.3	21.2	10.5
<b>EBITDA</b>	<b>1,875</b>	<b>1,395</b>	<b>2,218</b>	<b>2,116</b>	<b>2,532</b>	<b>2,980</b>	<b>1,953</b>	<b>2,952</b>	<b>3,275</b>
Margin (%)	25.2	19.8	27.1	26.1	27.2	28.8	20.1	25.1	25.2
Depreciation	274	302	251	230	257	222	208	256	275
<b>EBIT</b>	<b>1,601</b>	<b>1,093</b>	<b>1,967</b>	<b>1,887</b>	<b>2,275</b>	<b>2,758</b>	<b>1,745</b>	<b>2,696</b>	<b>3,000</b>
Int. and Finance Charges	2	2	6	5	5	5	1	6	6
Other Income - Rec.	131	344	237	430	456	457	416	520	599
<b>PBT bef. EO Exp.</b>	<b>1,729</b>	<b>1,435</b>	<b>2,198</b>	<b>2,311</b>	<b>2,727</b>	<b>3,210</b>	<b>2,160</b>	<b>3,210</b>	<b>3,592</b>
EO Expense/(Income)	0	592	0	0	0	0	0	0	0
<b>PBT after EO Exp.</b>	<b>1,729</b>	<b>843</b>	<b>2,198</b>	<b>2,311</b>	<b>2,727</b>	<b>3,210</b>	<b>2,160</b>	<b>3,210</b>	<b>3,592</b>
Current Tax	58	75	87	117	118	67	93	193	216
Deferred Tax	-3	-5	-3	20	10	31	0	0	0
Tax Rate (%)	3.2	8.3	3.8	5.9	4.7	3.1	4.3	6.0	6.0
Minority Interest	0.0	0.0	0.0	0.0	8.7	7.1	-0.3	0.0	0.0
<b>Reported PAT</b>	<b>1,675</b>	<b>773</b>	<b>2,114</b>	<b>2,174</b>	<b>2,590</b>	<b>3,105</b>	<b>2,067</b>	<b>3,017</b>	<b>3,376</b>
<b>PAT Adj for EO items</b>	<b>1,675</b>	<b>1,316</b>	<b>2,114</b>	<b>2,174</b>	<b>2,590</b>	<b>3,105</b>	<b>2,067</b>	<b>3,017</b>	<b>3,376</b>
Change (%)	-44.4	-21.4	60.6	2.8	19.1	19.9	-33.4	46.0	11.9
Margin (%)	22.5	18.7	25.8	26.9	27.8	30.0	21.3	25.6	26.0

### Consolidated Balance Sheet

(INR m)

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
Equity Share Capital	138	138	132	126	121	121	117	117	117
Total Reserves	9,134	10,005	9,992	9,942	9,466	12,325	12,876	15,345	18,174
<b>Net Worth</b>	<b>9,272</b>	<b>10,143</b>	<b>10,124</b>	<b>10,069</b>	<b>9,587</b>	<b>12,445</b>	<b>12,993</b>	<b>15,462</b>	<b>18,291</b>
Minority Interest	-2	-7	-6	-6	2	10	10	10	10
Deferred Liabilities	0	0	168	202	182	157	157	157	157
Total Loans	16	46	29	68	58	11	11	11	11
<b>Capital Employed</b>	<b>9,286</b>	<b>10,182</b>	<b>10,315</b>	<b>10,332</b>	<b>9,829</b>	<b>12,622</b>	<b>13,170</b>	<b>15,639</b>	<b>18,468</b>
Gross Block	3,033	3,322	3,463	4,199	4,551	4,733	5,133	5,533	5,933
Less: Accum. Deprn.	1,018	1,320	1,571	1,800	2,057	2,279	2,488	2,744	3,019
<b>Net Fixed Assets</b>	<b>2,015</b>	<b>2,002</b>	<b>1,892</b>	<b>2,399</b>	<b>2,494</b>	<b>2,454</b>	<b>2,645</b>	<b>2,789</b>	<b>2,914</b>
Capital WIP	197	340	376	384	185	311	194	235	260
<b>Total Investments</b>	<b>5,064</b>	<b>6,569</b>	<b>6,226</b>	<b>5,096</b>	<b>3,839</b>	<b>5,990</b>	<b>5,690</b>	<b>7,190</b>	<b>8,990</b>
<b>Curr. Assets, Loans&amp;Adv.</b>	<b>6,327</b>	<b>6,358</b>	<b>6,153</b>	<b>7,626</b>	<b>9,255</b>	<b>10,850</b>	<b>10,666</b>	<b>12,624</b>	<b>14,259</b>
Inventory	5,044	4,478	4,428	5,612	6,391	7,195	6,752	7,934	8,765
Account Receivables	804	854	859	846	1,180	1,057	1,064	1,289	1,425
Cash and Bank Balance	94	210	139	87	81	141	325	459	820
Loans and Advances	386	817	727	1,081	1,603	2,457	2,525	2,942	3,250
<b>Curr. Liability &amp; Prov.</b>	<b>4,320</b>	<b>5,095</b>	<b>4,340</b>	<b>5,180</b>	<b>5,957</b>	<b>6,997</b>	<b>6,041</b>	<b>7,215</b>	<b>7,971</b>
Account Payables	4,237	3,026	2,202	2,411	2,669	3,584	2,862	3,363	3,715
Provisions	83	9	116	72	68	117	71	86	95
Other current liabilities	0	2,060	2,022	2,696	3,221	3,296	3,108	3,765	4,160
<b>Net Current Assets</b>	<b>2,007</b>	<b>1,263</b>	<b>1,814</b>	<b>2,446</b>	<b>3,297</b>	<b>3,852</b>	<b>4,625</b>	<b>5,409</b>	<b>6,288</b>
<b>Appl. of Funds</b>	<b>9,286</b>	<b>10,182</b>	<b>10,315</b>	<b>10,332</b>	<b>9,829</b>	<b>12,622</b>	<b>13,170</b>	<b>15,639</b>	<b>18,468</b>

## Financials and valuations

### Ratios

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
<b>Basic (INR)</b>									
<b>EPS</b>	<b>28.6</b>	<b>22.5</b>	<b>36.2</b>	<b>37.2</b>	<b>44.3</b>	<b>53.1</b>	<b>35.4</b>	<b>51.6</b>	<b>57.7</b>
Cash EPS	33.3	27.7	40.4	41.1	48.7	56.9	38.9	56.0	62.4
BV/Share	158.6	173.5	173.1	172.2	163.9	212.8	222.2	264.4	312.8
DPS	5.0	3.0	3.0	3.0	3.0	4.0	6.0	8.0	8.0
Payout (%)	24.7	32.2	11.7	11.3	9.5	8.8	19.9	18.2	16.2
<b>Valuation (x)</b>									
P/E	17.9	22.8	14.2	13.8	11.6	9.6	14.5	9.9	8.9
Cash P/E	15.4	18.5	12.7	12.5	10.5	9.0	13.2	9.2	8.2
P/BV	3.2	3.0	3.0	3.0	3.1	2.4	2.3	1.9	1.6
EV/Sales	4.3	4.6	3.9	4.0	3.5	3.1	3.3	2.7	2.4
EV/EBITDA	17.2	23.1	14.5	15.3	12.8	10.8	16.4	10.8	9.6
Dividend Yield (%)	1.0	0.6	0.6	0.6	0.6	0.8	1.2	1.6	1.6
FCF per share	37.1	26.8	23.8	8.5	29.3	36.6	24.0	37.4	46.4
<b>Return Ratios (%)</b>									
EBITDA Margins (%)	25.2	19.8	27.1	26.1	27.2	28.8	20.1	25.1	25.2
Net Profit Margins (%)	22.5	18.7	25.8	26.9	27.8	30.0	21.3	25.6	26.0
RoE	19.9	13.6	20.9	21.5	26.4	28.2	16.3	21.2	20.0
RoCE	21.2	16.0	22.5	24.2	28.9	30.0	17.7	23.9	22.6
RoIC	42.0	33.8	61.5	47.9	45.4	47.7	27.7	38.8	39.4
<b>Working Capital Ratios</b>									
Fixed Asset Turnover (x)	2	2	2	2	2	2	2	2	2
Asset Turnover (x)	0.8	0.7	0.8	0.8	0.9	0.8	0.7	0.8	0.7
Inventory (Days)	247	232	197	253	251	253	254	246	246
Debtor (Days)	39	44	38	38	46	37	40	40	40
Creditor (Days)	208	157	98	109	105	126	108	104	104
Working Capital Turnover (Days)	94	55	75	106	126	131	162	154	154
<b>Leverage Ratio (x)</b>									
Current Ratio	1.5	1.2	1.4	1.5	1.6	1.6	1.8	1.7	1.8
Interest Cover Ratio	670	453	326	345	476	546	1,329	415	462
Debt/Equity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### Consolidated Cash Flow Statement

(INR m)

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
Net P / L Bef. Tax and Eo Items	1,729	1,435	2,198	2,311	2,727	3,210	2,160	3,210	3,592
Depreciation	274	302	251	230	257	222	208	256	275
Interest & Finance Charges	2	2	6	5	5	5	1	6	6
Direct Taxes Paid	58	75	87	117	118	67	93	193	216
(Inc)/Dec in WC	407	860	-621	-1,150	-952	-852	-589	-650	-519
<b>CF from Operations</b>	<b>2,355</b>	<b>2,525</b>	<b>1,747</b>	<b>1,279</b>	<b>1,918</b>	<b>2,519</b>	<b>1,688</b>	<b>2,629</b>	<b>3,140</b>
EO Expense	467	-245	0	0	0	0	0	0	0
<b>CF from Operating incl EO</b>	<b>2,822</b>	<b>2,280</b>	<b>1,747</b>	<b>1,279</b>	<b>1,918</b>	<b>2,519</b>	<b>1,688</b>	<b>2,629</b>	<b>3,140</b>
(inc)/dec in FA	-262	-432	-177	-744	-153	-308	-283	-441	-425
<b>Free Cash Flow</b>	<b>2,560</b>	<b>1,848</b>	<b>1,570</b>	<b>535</b>	<b>1,765</b>	<b>2,211</b>	<b>1,405</b>	<b>2,188</b>	<b>2,715</b>
(Pur)/Sale of Investments	-2,114	-1,505	343	1,130	1,257	-2,151	300	-1,500	-1,800
Others	-4	-5	2	438	21	286	0	0	0
<b>CF from Investments</b>	<b>-2,380</b>	<b>-1,943</b>	<b>168</b>	<b>824</b>	<b>1,125</b>	<b>-2,173</b>	<b>17</b>	<b>-1,941</b>	<b>-2,225</b>
Issue of Shares	-5	0	-2,000	-2,000	-2,404	0	-1,108	0	0
(Inc)/Dec in Debt	2	30	-18	39	-10	-47	0	0	0
Interest Paid	-2	-2	-6	-5	-5	-5	-1	-6	-6
Dividend Paid	-414	-249	-247	-247	-247	-274	-411	-548	-548
<b>CF from Fin. Activity</b>	<b>-415</b>	<b>-221</b>	<b>-1,985</b>	<b>-2,156</b>	<b>-3,049</b>	<b>-285</b>	<b>-1,520</b>	<b>-554</b>	<b>-554</b>
<b>Inc/Dec of Cash</b>	<b>28</b>	<b>116</b>	<b>-71</b>	<b>-52</b>	<b>-6</b>	<b>60</b>	<b>184</b>	<b>134</b>	<b>360</b>
Add: Beginning Balance	66	94	210	139	87	81	141	325	459
<b>Closing Balance</b>	<b>93</b>	<b>210</b>	<b>139</b>	<b>87</b>	<b>81</b>	<b>141</b>	<b>325</b>	<b>459</b>	<b>820</b>



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.

#### Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Investment Advisory Services, Depository participant services & distribution of various financial products. MOFSL is a subsidiary company of Passionate Investment Management Pvt. Ltd.. (PIMPL). MOFSL is a listed public company, the details in respect of which are available on [www.motilaloswal.com](http://www.motilaloswal.com). MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at <http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf>

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at <https://galaxy.motilaloswal.com/ResearchAnalyst/Publish/ViewLitigation.aspx>

A graph of daily closing prices of securities is available at [www.nseindia.com](http://www.nseindia.com), [www.bseindia.com](http://www.bseindia.com). Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

#### Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

#### For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

#### For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts"), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered/qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

#### For Singapore

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

#### Specific Disclosures

- 1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company
- received compensation/other benefits from the subject company in the past 12 months
- other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

#### Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

#### Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

#### Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, nor its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 71934200/ 022-71934263; Website [www.motilaloswal.com](http://www.motilaloswal.com); CIN no.: L67190MH2005PLC153397. Correspondence Office Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad(West), Mumbai- 400 064. Tel No: 022 7188 1000.

Registration Nos.: Motilal Oswal Financial Services Limited (MOFSL)\*: INZ000158836(BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412. AMFI: ARN - 146822; Investment Adviser: INA000007100; Insurance Corporate Agent: CA0579;PMS:INP000006712. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Wealth Management Ltd. (MOWML): PMS (Registration No.: INP000004409) is offered through MOWML, which is a group company of MOFSL. Motilal Oswal Financial Services Limited is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs, Insurance Products and IPOs. Real Estate is offered through Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. which is a group company of MOFSL. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd which is a group company of MOFSL. Research & Advisory services is backed by proper research. Please read the Risk Disclosure Document prescribed by the Stock Exchanges carefully before investing. There is no assurance or guarantee of the returns. Investment in securities market is subject to market risk, read all the related documents carefully before investing. Details of Compliance Officer: Name: Neeraj Agarwal, Email ID: [na@motilaloswal.com](mailto:na@motilaloswal.com), Contact No.:022-71881085.

\* MOSL has been amalgamated with Motilal Oswal Financial Services Limited (MOFSL) w.e.f August 21, 2018 pursuant to order dated July 30, 2018 issued by Hon'ble National Company Law Tribunal, Mumbai Bench.