

# Bharat Dynamics

Estimate change



TP change



Rating change



Bloomberg	BDL IN
Equity Shares (m)	367
M.Cap.(INRb)/(USDb)	470 / 4.9
52-Week Range (INR)	2097 / 1086
1, 6, 12 Rel. Per (%)	-7/-6/-31
12M Avg Val (INR M)	3413

## Financials Snapshot (INR b)

Y/E March	2026	2027E	2028E
Sales	24.4	42.3	61.2
EBITDA	2.2	6.3	9.8
Adj. PAT	4.2	6.7	9.8
Adj. EPS (INR)	11.5	18.2	26.7
EPS Gr. (%)	(23.5)	58.8	46.5
BV/Sh.(INR)	115.7	127.0	145.6

## Ratios

RoE (%)	9.9	14.3	18.3
RoCE (%)	10.2	14.7	18.7
Payout (%)	45.3	38.2	30.0

## Valuations

P/E (x)	111.9	70.5	48.1
P/BV (x)	11.1	10.1	8.8
EV/EBITDA (x)	189.5	65.4	40.6
Div. Yield (%)	0.4	0.5	0.6

## Shareholding pattern (%)

As On	Mar-26	Dec-25	Mar-25
Promoter (%)	74.9	74.9	74.9
DII (%)	11.0	11.0	9.5
FII (%)	2.0	2.3	3.3
Others (%)	12.1	11.8	12.4

FII Includes depository receipts

**CMP: INR1,282 TP: INR1,150 (-10%) Downgrade to Neutral**

## Weakness persists through FY26

Bharat Dynamics' (BDL) results were weaker than our estimates, with execution impacted by delays in the supply of radars, seekers, and other components for Akash and Astra Mk1 missiles from external vendors. The company is likely to book ~INR20-25b of revenues in 1HFY27 from these orders as the supply of these components commences. BDL may also resort to importing certain components to avoid further delivery delays. While the order book remained healthy at ~INR260b, we expect overall execution to remain slower than our earlier estimates, with margins likely to stay under pressure due to a higher share of bought-out components. We, thus, cut our FY27/FY28 earnings by 25%/28% and downgrade the stock to Neutral with a revised TP of INR1,150 (vs. INR1,500 earlier), based on 42x Jun'28E EPS. The stock is currently trading at 70.5x/48.1x/38.1x on FY27/FY28/FY29 EPS. We believe it is prudent to await a sustained ramp-up in execution and improved supply-side visibility.

## Weak set of results

BDL reported a weak set of results with a miss across all metrics. Revenue declined 73% YoY to INR4.8b in 4QFY26. Gross margin remained strong at ~62.4% in 4QFY26. However, due to weaker execution, operating leverage resulted in EBITDA margin being lower at 11.5% vs. our estimate of 23.8%. Absolute EBITDA declined 82% YoY to INR552m. Weak execution and margin contraction led to PAT declining 59% YoY to INR1.1b (66% below our estimate). For FY26, revenue/EBITDA/PAT declined 27%/53%/24% YoY to INR24.4b/2.2b/4.2b, while EBITDA margin contracted 500bp YoY to 9.1%. For FY26, OCF increased 260% YoY to INR6b, while the company reported FCF inflow of INR3.8b due to capex of INR2.2b during the year (vs. an outflow of INR1b in FY25).

## Performance impacted by delays from external vendors

FY26 revenue performance was impacted by ~INR20b due to delays in deliveries of Akash and Astra Mk1 missiles. The delay in Akash missile was primarily due to delayed supplies of radars and communication systems from another vendor. While testing of these systems has been completed, final government clearance is still awaited. The company expects to deliver and book ~INR13b of revenue from this project itself in 1QFY27. For Astra Mk1, delays in receipt of seekers from an external vendor impacted execution; with this issue likely to persist for some more time, BDL has decided to import these components to avoid further slippages and expects to book ~INR10b of related revenue by 2QFY27. Other key deliverables during FY27 include ATGM and MRSAM programs. With this, FY27 revenue can scale up to ~INR45b, with margins of ~14-15%, as a higher share of bought-out components could continue to weigh on profitability. FY28 is expected to mark the peak execution phase for Akash, with potential revenues of ~INR65b and improved margins as the share of missiles increases. We expect revenue to expand at a CAGR of 58% over FY26-28, while execution ramp-up across key missile programs and resolution of supply-side bottlenecks will remain key monitorables.

### Capex announced to expand capacities

BDL is investing INR5b towards 160-acre naval systems manufacturing facility in T. Sirasapalli, Andhra Pradesh. The upcoming facility will focus on manufacturing underwater weapon systems, torpedoes, mines, and associated naval systems for the Indian Navy. It will include advanced assembly infrastructure, integration buildings, explosive handling, storage facilities, testing systems, and acoustic tank infrastructure. The project is expected to be completed over the next four years. Previously announced capex programs towards setting up facilities include:

- **Ibrahimpattanam, Hyderabad:** Eight assembly lines for new weapon systems, and testing infrastructure, including rocket motor and warhead penetration testing.
- **Jhansi, Uttar Pradesh:** For manufacturing of propellants, bulk manufacturing of Grad rockets, and in-house R&D development of new energetics.

### Key developments that could support medium- to long-term order inflow

- BDL delivered a production-grade **Wire Guided Heavy Weight Torpedo (WGHWT)** to NSTL at its Visakhapatnam unit, with the system developed in both practice and combat variants.
- BDL completed the first-off production model of the **Advanced Akash Weapon System** with upgraded sub-systems, enabling further production and deployment of the system.
- DRDO recently tested the **UAV Launched Precision Guided Missile-V3 (ULPGM-V3)**, a drone-fired missile with air-to-air and air-to-surface capabilities. The missile will be mass-produced by BDL and Adani Defence Systems.
- India conducted a successful flight trial of **Advanced Agni missile with Multiple Independently Targeted Re-Entry Vehicle (MIRV) system**. Subject to production clearance, the missile is expected to be manufactured by BDL with support from domestic supply chain partners.

### Financial outlook

We expect overall execution to remain slower than our earlier estimates, with margins likely to stay under pressure due to a higher share of bought-out components. We, thus, cut our FY27/FY28 earnings by 25%/28%, and expect revenue/ PAT to clock a CAGR of 58%/53% over FY26-28 on a low base, with margins to improve gradually as the supply of components commences.

### Valuation and view

The stock currently trades at 70.5x/48.1x/38.1x P/E on FY27/FY28/FY29 estimates. **We downgrade our rating on the stock to Neutral with a revised TP of INR1,150 (vs INR1,500 earlier), based on 42x Jun'28E earnings.**

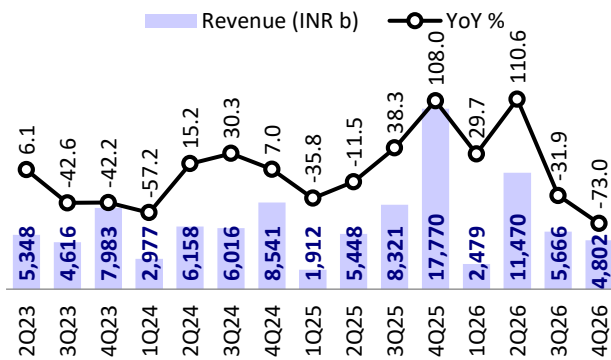
### Key risks and concerns

Key risks for the company include a decline or reprioritization of the Indian defense budget, termination of existing contracts or failure to succeed in tendering projects, changes in procurement rules and regulations of the MoD and the government, and supply chain-related issues.

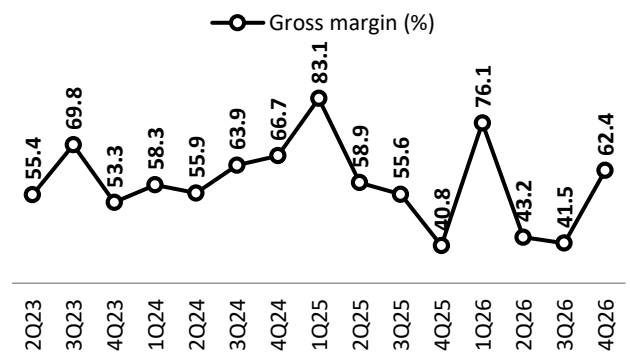
**Standalone - Quarterly Snapshot**

(INR m)

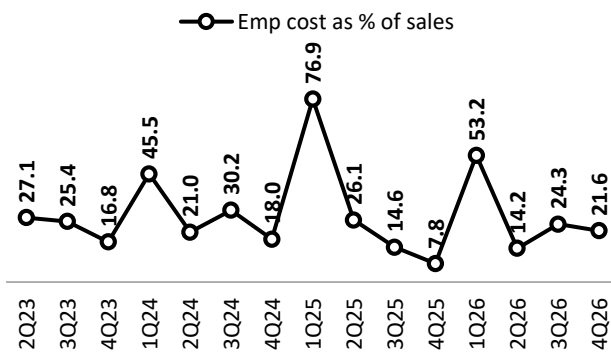
Income Statement Y/E March	FY25				FY26				FY25	FY26	Est 4QE	Var. Vs Est
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
<b>Net revenue</b>	<b>1,912</b>	<b>5,448</b>	<b>8,321</b>	<b>17,770</b>	<b>2,479</b>	<b>11,470</b>	<b>5,666</b>	<b>4,802</b>	<b>33,451</b>	<b>24,418</b>	<b>17,458</b>	<b>-72</b>
Change (%)	-35.8	-11.5	38.3	108.0	29.7	110.6	-31.9	-73.0	41.2	-27.0	-1.8	
Expenses	2,435	4,459	7,053	14,780	2,933	9,595	5,406	4,250	28,727	22,184	13,306	
<b>EBITDA</b>	<b>-523</b>	<b>988</b>	<b>1,269</b>	<b>2,990</b>	<b>-454</b>	<b>1,875</b>	<b>260</b>	<b>552</b>	<b>4,724</b>	<b>2,234</b>	<b>4,152</b>	<b>-87</b>
Change (%)	NA	-26.3	6.8	-5.5	NA	89.7	-79.5	-81.5	-12.0	-52.7	38.9	
As of % Sales	-27.4	18.1	15.2	16.8	-18.3	16.3	4.6	11.5	14.1	9.1	23.8	
Depreciation	157	177	177	197	177	191	193	198	707	759	216	-8
Interest	12	7	7	7	7	13	7	7	33	34	6	13
Other Income	804	860	844	996	869	1,206	972	1,192	3,504	4,238	645	85
<b>PBT pre EO items</b>	<b>112</b>	<b>1,665</b>	<b>1,929</b>	<b>3,782</b>	<b>231</b>	<b>2,876</b>	<b>1,032</b>	<b>1,539</b>	<b>7,488</b>	<b>5,678</b>	<b>4,576</b>	<b>-66</b>
<b>PBT</b>	<b>112</b>	<b>1,665</b>	<b>1,929</b>	<b>3,782</b>	<b>231</b>	<b>2,876</b>	<b>1,032</b>	<b>1,539</b>	<b>7,488</b>	<b>5,678</b>	<b>4,576</b>	<b>-66</b>
Tax	40	439	458	1,054	48	717	303	407	1,991	1,475	1,250	
Effective Tax Rate (%)	35.8	26.4	23.7	27.9	20.7	24.9	29.3	26.5	26.6	26.0	27.3	
Extra-ordinary Items	0	0	0	0	0	0	0	0	0	0	0	
<b>Reported PAT</b>	<b>72</b>	<b>1,225</b>	<b>1,471</b>	<b>2,728</b>	<b>183</b>	<b>2,159</b>	<b>729</b>	<b>1,132</b>	<b>5,496</b>	<b>4,203</b>	<b>3,326</b>	<b>-66</b>
<b>Adj PAT</b>	<b>72</b>	<b>1,225</b>	<b>1,471</b>	<b>2,728</b>	<b>183</b>	<b>2,159</b>	<b>729</b>	<b>1,132</b>	<b>5,496</b>	<b>4,203</b>	<b>3,326</b>	<b>-66</b>
Change (%)	-82.7	-16.7	9.0	-5.5	154.3	76.2	-50.4	-58.5	-10.3	-23.5	21.9	
As of % Sales	3.8	22.5	17.7	15.4	7.4	18.8	12.9	23.6	16.4	17.2	19.1	

**Key Exhibits**
**Exhibit 1: Revenue declined 73% YoY**


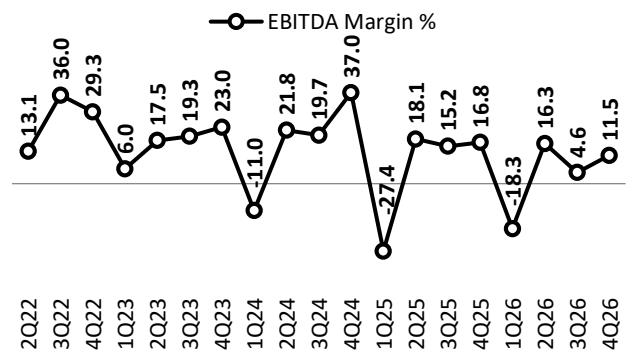
Source: MOFSL, Company

**Exhibit 2: Gross margin expanded in 4QFY26**


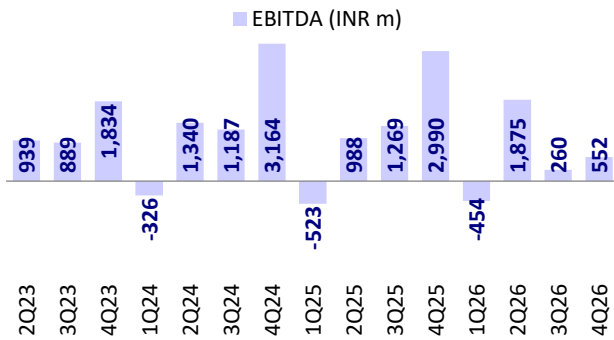
Source: MOFSL, Company

**Exhibit 3: Employee costs as % of sales remained high**


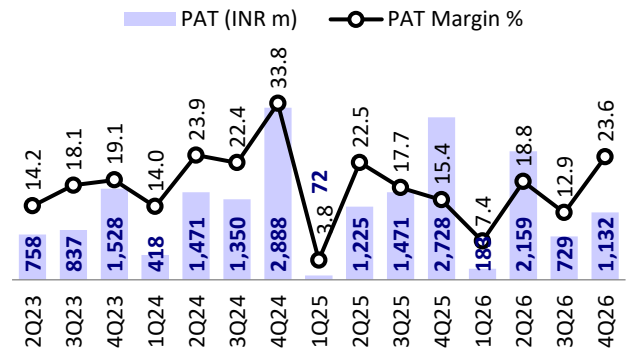
Source: MOFSL, Company

**Exhibit 4: EBITDA margin contracted during the quarter**


Source: MOFSL, Company

**Exhibit 5: EBITDA decreased 82% YoY**


Source: MOFSL, Company

**Exhibit 6: PAT declined 59% YoY**


Source: MOFSL, Company

**Exhibit 7: We expect an addressable market of ~INR500b for BDL over the next few years**

Future programs expected	Category	Amount (INR b)	Expected year of order	Comments
<b>In association with DRDO</b>				
Base orders	Base orders	120	FY2026-29	❖ Run rate of INR30b every year for the next 3-4 years
MRSAM	surface-to-air	30	FY2024-25	❖ Order received in Jan'25
Astra Mk1	air-to-air	29		❖ Production clearance for 200 missiles to BDL has been given by the IAF
QRSAM	surface-to-air	113	FY2025-26	❖ Expected by 4QFY25 or 1QFY27
Akash NG SAM	surface-to-air		FY 2026-27	❖ User evaluation trials completed on 23 Dec'25
Long Range Land Attack Cruise Missile (LRLACM)	surface-to-surface	140	FY 2027-28	❖ Flight test done on 12th Nov'24. IAF/IA to procure missiles worth INR100b/40b once developed
VSHORAD	Very short-range air defense system	19	FY 2025-26	❖ In Jan'23, DAC gave a green light for the procurement of VSHORADS systems. Three consecutive flight trials done on 1 Feb'25
VLSRSAM	surface-to-air		FY 2026-27	❖ Testing done on 26th Mar'25
Dhruvastra/Helina ATGM	air-to-surface	43	FY 2025-26	
NAG ATGM	surface-to-air	18	FY 2025-26	
Torpedoes			FY2026-28	❖ In Mar'25, for the Navy, the DAC accorded AoN for the procurement of Varunastra Torpedoes (Combat), while the cost is not disclosed
<b>Overall TAM</b>		<b>511</b>		

Source: Company, Industry, MOFSL

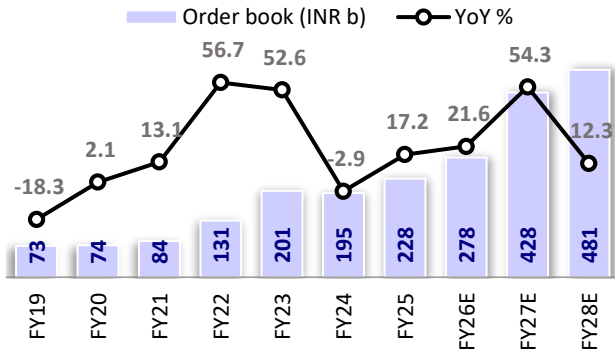
**Exhibit 8: We cut our estimates to factor in slower execution and lower margins**

(INR m)	FY27E			FY28E		
	Rev	Old	Chg (%)	Rev	Old	Chg (%)
Net Sales	42,347	51,720	-18.1	61,204	72,704	-15.8
EBITDA	6,333	9,010	-29.7	9,808	14,559	-32.6
EBITDA (%)	15.0	17.4	-240 bp	16.0	20.0	-400 bp
Adj. PAT	6,676	8,851	-24.6	9,779	13,659	-28.4
EPS (INR)	18.2	24.1	-24.6	26.7	37.3	-28.4

Source: MOFSL

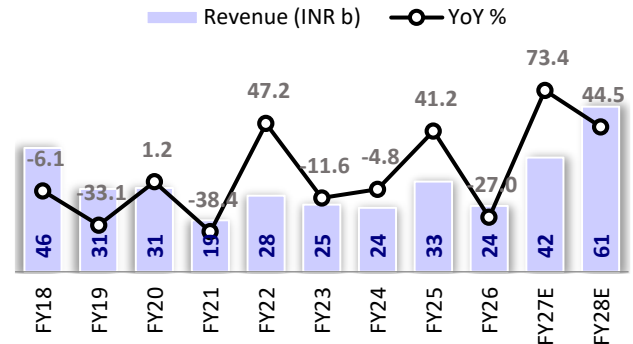
## Financial outlook

**Exhibit 9: We expect a CAGR of 24% in the order book over FY26-28**



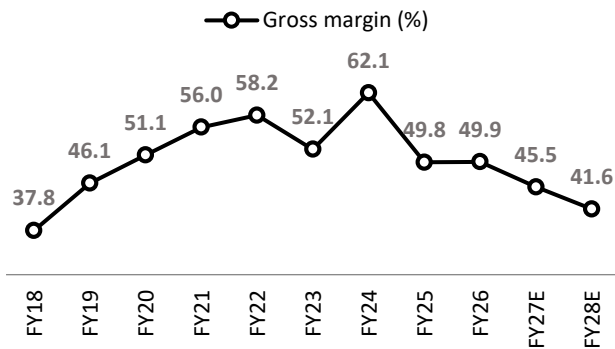
Source: Company, MOFSL

**Exhibit 10: We expect revenue to clock a CAGR of 58% over FY26-28 on a low base**



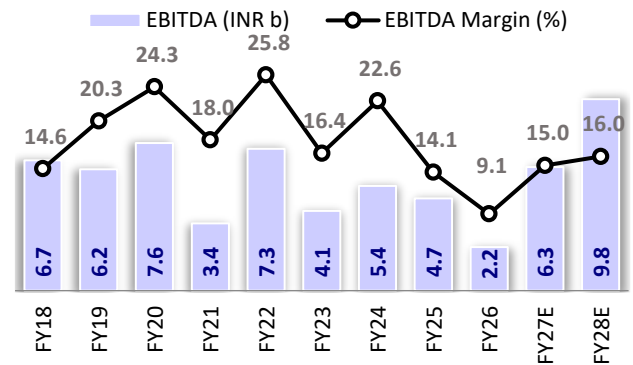
Source: Company, MOFSL

**Exhibit 11: We expect a gross margin of ~40-45%**



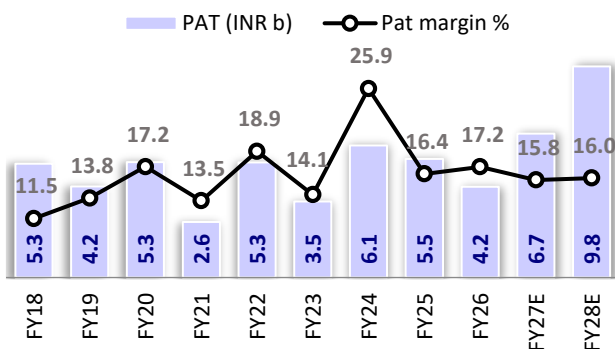
Source: Company, MOFSL

**Exhibit 12: We expect EBITDA margin to be around ~15-16%**



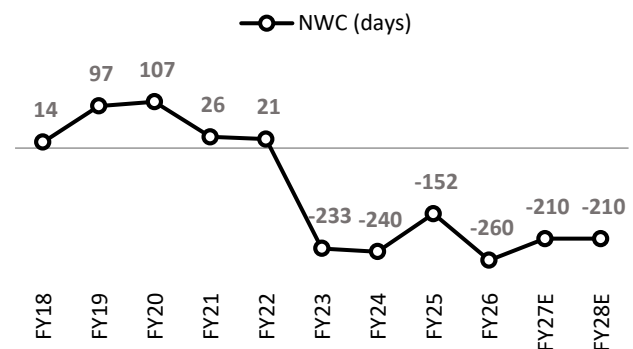
Source: Company, MOFSL

**Exhibit 13: We expect PAT to clock 53% CAGR over FY26-28E**



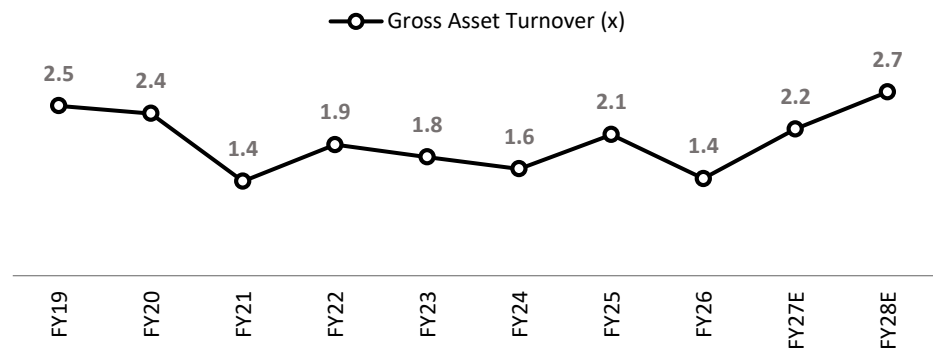
Source: MOFSL, Company

**Exhibit 14: We expect NWC to remain at comfortable levels**



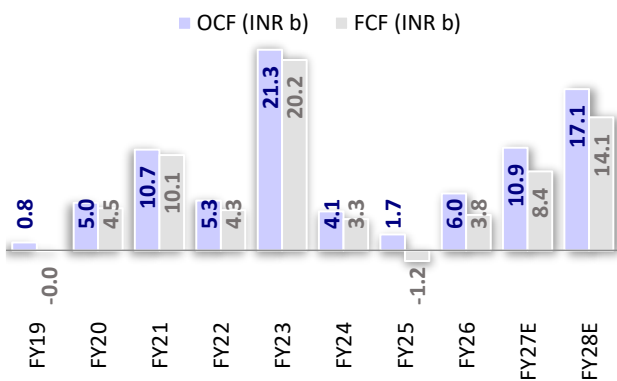
Source: MOFSL, Company

**Exhibit 15: BDL's gross asset turnover is likely to increase on improved execution**



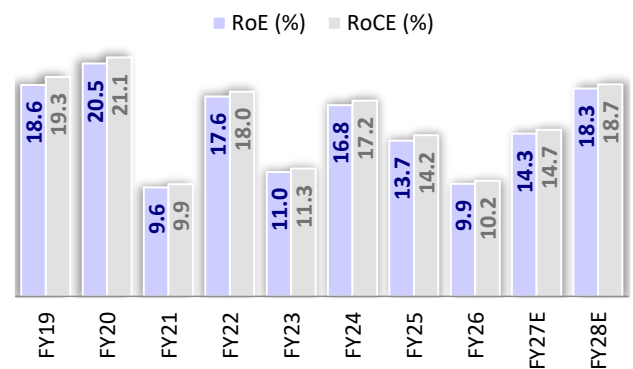
Source: Company, MOFSL

**Exhibit 16: OCF and FCF to improve going forward**



Source: MOFSL, Company

**Exhibit 17: RoE and RoCE to remain comfortable at 14-19%**



Source: MOFSL, Company

## Financials and valuation

Income Statement (Standalone)								(INR m)	
Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E
<b>Net Sales</b>	<b>31,049</b>	<b>19,138</b>	<b>28,174</b>	<b>24,894</b>	<b>23,693</b>	<b>33,451</b>	<b>24,418</b>	<b>42,347</b>	<b>61,204</b>
Change (%)	1.2	-38.4	47.2	-11.6	-4.8	41.2	-27.0	73.4	44.5
Raw Materials	15,178	8,412	11,790	11,913	8,973	16,779	12,225	23,079	35,743
Staff Cost	5,340	5,011	5,707	5,325	6,000	5,488	5,356	6,159	7,391
Other Expenses	2,976	2,268	3,417	3,574	3,354	6,460	4,604	6,775	8,263
<b>EBITDA</b>	<b>7,555</b>	<b>3,447</b>	<b>7,261</b>	<b>4,082</b>	<b>5,366</b>	<b>4,724</b>	<b>2,234</b>	<b>6,333</b>	<b>9,808</b>
Margin %	24.3	18.0	25.8	16.4	22.6	14.1	9.1	15.0	16.0
Depreciation	964	945	904	773	670	707	759	832	958
Interest	47	39	34	45	31	33	34	34	34
Other Income	881	946	1,112	1,554	3,618	3,504	4,238	3,627	4,505
<b>PBT</b>	<b>7,425</b>	<b>3,409</b>	<b>7,435</b>	<b>4,818</b>	<b>8,282</b>	<b>7,488</b>	<b>5,678</b>	<b>9,094</b>	<b>13,321</b>
Tax	2,076	831	2,100	1,296	2,155	1,991	1,475	2,418	3,542
Tax Rate (%)	28.0	24.4	28.2	26.9	26.0	26.6	26.0	26.6	26.6
Extra-ordinary Inc.(net)	0	0	-336	0	0	0	0	0	0
<b>Reported PAT</b>	<b>5,349</b>	<b>2,578</b>	<b>4,999</b>	<b>3,522</b>	<b>6,127</b>	<b>5,496</b>	<b>4,203</b>	<b>6,676</b>	<b>9,779</b>
Change (%)	26.6	-51.8	93.9	-29.6	74.0	-10.3	-23.5	58.8	46.5
<b>Adjusted PAT</b>	<b>5,349</b>	<b>2,578</b>	<b>5,335</b>	<b>3,522</b>	<b>6,127</b>	<b>5,496</b>	<b>4,203</b>	<b>6,676</b>	<b>9,779</b>
Change (%)	26.6	-51.8	107.0	-34.0	74.0	-10.3	-23.5	58.8	46.5
Margin %	17.2	13.5	18.9	14.1	25.9	16.4	17.2	15.8	16.0

Balance Sheet (Standalone)								(INR m)	
Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E
Share Capital	1,833	1,833	1,833	1,833	1,833	1,833	1,833	1,833	1,833
Reserves	24,235	25,015	28,473	30,282	34,535	38,257	40,577	44,704	51,553
<b>Net Worth</b>	<b>26,068</b>	<b>26,847</b>	<b>30,306</b>	<b>32,115</b>	<b>36,368</b>	<b>40,090</b>	<b>42,410</b>	<b>46,537</b>	<b>53,385</b>
Loans	22	0	0	0	0	0	0	0	0
Deffered Tax Liability	-542	-477	-571	-564	-707	-1,227	-912	-912	-912
<b>Capital Employed</b>	<b>25,547</b>	<b>26,370</b>	<b>29,735</b>	<b>31,551</b>	<b>35,661</b>	<b>38,862</b>	<b>41,498</b>	<b>45,626</b>	<b>52,474</b>
Gross Fixed Assets	12,914	13,685	14,511	14,157	14,965	16,007	16,976	19,476	22,476
Less: Depreciation	3,590	4,535	5,772	6,071	6,729	7,436	8,195	9,027	9,985
<b>Net Fixed Assets</b>	<b>9,324</b>	<b>9,150</b>	<b>8,738</b>	<b>8,085</b>	<b>8,236</b>	<b>8,571</b>	<b>8,781</b>	<b>10,449</b>	<b>12,491</b>
Capital WIP	421	215	407	743	729	2,303	2,987	2,987	2,987
Investments	39	45	0	0	0	39	39	39	39
<b>Curr. Assets</b>	<b>46,527</b>	<b>49,730</b>	<b>55,922</b>	<b>77,331</b>	<b>93,728</b>	<b>1,05,284</b>	<b>1,29,897</b>	<b>1,82,727</b>	<b>2,54,588</b>
Inventory	8,565	13,970	16,545	18,224	19,825	26,451	46,256	74,419	1,07,559
Debtors	3,384	3,227	3,042	1,846	3,104	8,264	4,229	7,334	10,600
Cash & Bank Balance	6,635	15,610	18,995	38,589	42,285	41,904	47,093	56,529	72,191
Loans & Advances	54	45	39	38	37	57	59	103	149
Other Current Assets	27,889	16,879	17,302	18,635	28,477	28,609	32,259	44,343	64,090
<b>Current Liab. &amp; Prov.</b>	<b>30,763</b>	<b>32,770</b>	<b>35,333</b>	<b>54,609</b>	<b>67,032</b>	<b>77,335</b>	<b>1,00,205</b>	<b>1,50,576</b>	<b>2,17,631</b>
Creditors	3,455	7,426	5,525	4,644	7,984	15,056	28,348	37,560	54,286
Other Liabilities	24,042	22,754	26,269	46,445	55,045	57,199	67,887	1,06,130	1,53,392
Provisions	3,265	2,590	3,540	3,521	4,003	5,081	3,971	6,886	9,953
<b>Net Current Assets</b>	<b>15,764</b>	<b>16,960</b>	<b>20,589</b>	<b>22,722</b>	<b>26,696</b>	<b>27,949</b>	<b>29,691</b>	<b>32,151</b>	<b>36,957</b>
<b>Application of Funds</b>	<b>25,547</b>	<b>26,370</b>	<b>29,735</b>	<b>31,551</b>	<b>35,661</b>	<b>38,862</b>	<b>41,498</b>	<b>45,626</b>	<b>52,474</b>

## Financials and valuation

### Ratios

Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E
<b>Basic (INR)</b>	14.6	7.0	13.6	9.6	16.7	15.0	11.5	18.2	26.7
<b>Adjusted EPS</b>	<b>14.6</b>	<b>7.0</b>	<b>14.6</b>	<b>9.6</b>	<b>16.7</b>	<b>15.0</b>	<b>11.5</b>	<b>18.2</b>	<b>26.7</b>
Growth (%)	26.6	-51.8	107.0	-34.0	74.0	-10.3	-23.5	58.8	46.5
Cash EPS	17.2	9.6	17.0	11.7	18.5	16.9	13.5	20.5	29.3
Book Value	71.1	73.2	82.7	87.6	99.2	109.4	115.7	127.0	145.6
DPS	4.2	4.6	4.0	4.6	4.0	5.9	5.2	7.0	8.0
Payout (incl. Div. Tax.)	34.9	65.6	27.2	47.4	23.7	39.4	45.3	38.2	30.0
<b>Valuation (x)</b>									
P/Sales	15.2	24.6	16.7	18.9	19.9	14.1	19.3	11.1	7.7
P/E	88.0	182.5	88.2	133.6	76.8	85.6	111.9	70.5	48.1
Cash P/E	74.5	133.5	75.4	109.6	69.2	75.8	94.8	62.7	43.8
EV/EBITDA	61.4	131.9	62.2	105.8	79.8	90.7	189.5	65.4	40.6
EV/Sales	14.9	23.8	16.0	17.3	18.1	12.8	17.3	9.8	6.5
Price/Book Value	18.0	17.5	15.5	14.6	12.9	11.7	11.1	10.1	8.8
Dividend Yield (%)	0.3	0.4	0.3	0.4	0.3	0.5	0.4	0.5	0.6
<b>Profitability Ratios (%)</b>									
RoE	20.5	9.6	17.6	11.0	16.8	13.7	9.9	14.3	18.3
RoCE	21.1	9.9	18.0	11.3	17.2	14.2	10.2	14.7	18.7
RoIC	25.2	17.7	42.5	-34.4	-52.4	-95.7	-19.4	-36.9	-32.9
<b>Turnover Ratios</b>									
Debtors (Days)	40	62	39	27	48	90	63	63	63
Inventory (Days)	101	266	214	267	305	289	691	641	641
Creditors. (Days)	41	142	72	68	123	164	424	324	324
Asset Turnover (x)	1.2	0.7	0.9	0.8	0.7	0.9	0.6	0.9	1.2
Gross Asset Turnover (x)	2.4	1.4	1.9	1.8	1.6	2.1	1.4	2.2	2.7
<b>Leverage Ratio</b>									
Net Debt/Equity (x)	-0.3	-0.6	-0.6	-1.2	-1.2	-1.0	-1.1	-1.2	-1.4

### Cash Flow Statement (Standalone)

(INR m)

Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E
<b>PBT before EO Items</b>	<b>7,425</b>	<b>3,409</b>	<b>7,435</b>	<b>4,818</b>	<b>8,282</b>	<b>7,488</b>	<b>5,678</b>	<b>9,094</b>	<b>13,321</b>
Add : Depreciation	964	945	904	773	670	707	759	832	958
Interest	47	39	34	45	31	33	34	34	34
Less : Direct Taxes Paid	1,736	778	2,034	2,181	1,560	2,031	2,186	2,418	3,542
(Inc)/Dec in WC	1,096	-7,756	983	-18,915	274	3,701	-4,820	-6,976	-10,856
Others	-560	-691	-59	-1,068	-3,033	-821	-3,066	-3,627	-4,505
<b>CF from Operations</b>	<b>5,042</b>	<b>10,680</b>	<b>5,297</b>	<b>21,303</b>	<b>4,117</b>	<b>1,674</b>	<b>6,040</b>	<b>10,891</b>	<b>17,121</b>
(Inc)/Dec in FA	-569	-565	-1,020	-1,081	-807	-2,827	-2,287	-2,500	-3,000
<b>Free Cash Flow</b>	<b>4,473</b>	<b>10,115</b>	<b>4,276</b>	<b>20,222</b>	<b>3,310</b>	<b>-1,153</b>	<b>3,753</b>	<b>8,391</b>	<b>14,121</b>
(Pur)/Sale of Investments	-117	-7,380	-5,305	-11,715	-8,287	-4,258	2,105	0	0
Others	354	608	595	1,085	1,870	3,014	3,378	3,627	4,505
<b>CF from Investments</b>	<b>-332</b>	<b>-7,338</b>	<b>-5,730</b>	<b>-11,710</b>	<b>-7,224</b>	<b>-4,071</b>	<b>3,196</b>	<b>1,127</b>	<b>1,505</b>
(Inc)/Dec in Net Worth	0	-11	-12	-13	-15	-16	-18	0	0
(Inc)/Dec in Debt	0	0	0	0	0	0	0	0	0
Less : Interest Paid	33	25	20	31	17	19	20	34	34
Dividend Paid	1,867	1,691	1,453	1,669	1,452	2,167	1,904	2,548	2,930
Others	-9	0	0	0	0	0	0	0	0
<b>CF from Fin. Activity</b>	<b>-1,909</b>	<b>-1,726</b>	<b>-1,485</b>	<b>-1,714</b>	<b>-1,484</b>	<b>-2,202</b>	<b>-1,942</b>	<b>-2,582</b>	<b>-2,964</b>
<b>Inc/Dec of Cash</b>	<b>2,802</b>	<b>1,616</b>	<b>-1,919</b>	<b>7,878</b>	<b>-4,590</b>	<b>-4,600</b>	<b>7,295</b>	<b>9,436</b>	<b>15,662</b>
Add: Beginning Balance	3,833	13,994	20,914	30,710	46,875	46,504	39,799	47,093	56,529
<b>Closing Balance</b>	<b>6,635</b>	<b>15,610</b>	<b>18,995</b>	<b>38,589</b>	<b>42,285</b>	<b>41,904</b>	<b>47,093</b>	<b>56,529</b>	<b>72,191</b>

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	< - 10%
NEUTRAL	< - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

\*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

**Disclosures**

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

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on [www.motilaloswal.com](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, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

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

A graph of daily closing prices of securities is available at [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") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL.

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to [grievances@motilaloswal.com](mailto:grievances@motilaloswal.com).

Nainesh Rajani  
 Email: [nainesh.rajani@motilaloswal.com](mailto:nainesh.rajani@motilaloswal.com)  
 Contact: (+65) 8328 0276

**Specific Disclosures**

1. Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies). MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: No.  
 Nature of Financial interest is holding equity shares or derivatives of the subject company
2. Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report.  
 MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report: No
3. Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.  
 MOFSL may have received compensation from the subject company(ies) in the past 12 months.
4. Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.  
 MOFSL does 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 an officer, director or employee of subject company(ies).
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(ies) in the past 12 months.
8. MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
9. MOFSL may have received compensation or other benefits from the subject company(ies) or 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 at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.

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

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

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

**Analyst Certification**

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

**Terms & Conditions:**

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

**Disclaimer:**

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com.

Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email

Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI:

ARN : 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.

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