

# **Delta Corp**

Buy

BSE SENSEX	S&P CNX
38,506	11,428
Bloomberg	DELTA IN
Equity Shares (m)	268
M.Cap.(INRb)/(USDb)	46.3 / 0.6
52-Week Range (INR)	278 / 116
1, 6, 12 Rel. Per (%)	-9/-30/-35
12M Avg Val (INR M)	304
Free float (%)	67.2

#### Financials & Valuations (INR b)

Y/E March	2019	<b>2020E</b>	2021E
Net Sales	8.0	8.5	9.9
EBITDA	3.2	3.4	4.0
NP	1.9	2.3	2.8
EPS (INR)	7.2	8.6	10.2
EPS Gr. (%)	23.8	20.5	17.9
BV/Sh. (INR)	71.7	79.8	89.4
RoE (%)	10.7	11.4	12.0
RoCE (%)	11.0	15.5	16.5
Payout (%)	6.6	6.3	5.3
P/E (x)	23.9	19.8	16.8
P/BV (x)	2.4	2.1	1.9
EV/EBITDA (x)	12.9	12.2	10.3
Div. Yield (%)	0.2	0.3	0.3

Estimate change	<b>—</b>
TP change	<b>—</b>
Rating change	<b>—</b>

## CMP: INR171 TP: INR254 (+49%)

### Online sweetens the pot; op performance intact

- Revenue flat; EBITDA margin expands marginally: Revenue came in flat YoY at INR2,008m (our estimate: INR2,059m) in 2QFY20, while the EBITDA margin expanded 140bp YoY to 40.5% (our estimate: 37.5%), primarily driven by a multifold expansion in the online business profitability (+2,150bp YoY to 31%). PBT declined 3% YoY to INR748m (our estimate: INR715m). Adj. PAT grew 22% YoY to INR585m (our estimate: INR540m). For 1HFY20, sales were flat YoY, while EBITDA/adj. PAT increased 3%/12% YoY.
- Casino revenue declined marginally by 1% YoY to INR2,002m, while the segmental EBIT margin contracted 370bp YoY to 32.8%. Increased market capacities by ~20%, general slowdown, extended monsoon and the taxi strike were the key reasons impacting visitation growth. Margin compression can be attributed to higher spend on offerings/deals to drive visitations. On the other hand, online revenue increased 17% YoY, driven by a boost from higher promotional spend in the prior quarter. However, such incremental spend were avoided in 2QFY20, leading to improved profitability. We expect the online margin to sustain at ~20% as DELTA attempts to stay competitive.
- Key takeaways: (a) Hearing of Daman writ petition is scheduled on 14<sup>th</sup> Nov'19. (b) Land policy is likely to be taken up in the winter session. (c) Clarity on GST taxation is likely to emerge soon.
- Valuation and view: Post a sharp correction, the stock is now attractively valued at 17x FY21E EPS. While the GST-related hangover remains, the operational performance is intact and will likely continue improving hereon. We largely maintain our estimates and expect sales/EBITDA/adj. PAT CAGR of 11%/12%/19% over FY19-21. We value the stock at 25x FY21E EPS to arrive at a target price of INR254. Maintain Buy.

Consolidated - Quarterly performance INR million												
Y/E March		FY1	L9			FY2	0E		FY19	FY20E		Var
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	%
Net Sales	1,873	2,011	2,052	2,043	1,865	2,008	2,287	2,367	7,978	8,526	2,059	-2
YoY Change (%)	46%	38%	27%	19%	0%	0%	11%	16%	31.3	6.9		
Total Expenditure	1,206	1,225	1,197	1,164	1,188	1,195	1,361	1,406	4,791	5,149	1,287	
EBITDA	667	786	855	879	677	814	926	961	3,187	3,377	772	5
Margins (%)	35.6	39.1	41.7	43.0	36.3	40.5	40.5	40.6	39.9	39.6	37.5	301bp
Depreciation	94	94	95	95	110	120	122	123	377	474	112	
Interest	2	7	6	3	10	11	10	9	18	40	10	
Other Income	83	83	55	92	82	65	70	70	313	287	65	
PBT before EO exp.	654	768	810	875	640	748	864	899	3,105	3,150	715	5
Extra-Ord expense	0	0	11	-37	0	-7	0	0	-43	-7	0	
PBT	654	768	799	911	640	755	864	899	3,148	3,157	715	
Tax	228	274	296	344	217	166	216	225	1,141	824	179	
Rate (%)	34.9	35.6	37.0	37.8	33.9	22.0	25.0	25.0	36.3	26.1	25.0	
MI & P/L of Asso. Cos.	-3	-13	2	0	2	2	4	2	39	-11	4	
Reported PAT	423	481	505	567	425	590	652	676	1,968	2,344	540	
Adj PAT	423	481	512	544	425	585	652	676	1,940	2,339	540	8
YoY Change (%)	100%	11%	14%	19%	0%	22%	27%	24%	25.3	20.5	12%	
Margins (%)	22.6	23.9	24.9	26.6	22.8	29.1	28.5	28.6	24.3	27.4	26.2	288bp

Chintan Modi- Research analyst (Chintan.Modi@MotilalOswal.com); +91 22 6129 1554

Alpesh Thacker- Research analyst (Alpesh.Thacker@motilaloswal.com); +91 225036 2561

### Others takeaways:

■ The entry of Big Daddy and the upgradation by Pride to a bigger vessel expanded the market for casino by ~20%.

 Cash flow from operations stood at INR1,485m in 1HFY20, which is 100% of EBITDA for the same period.

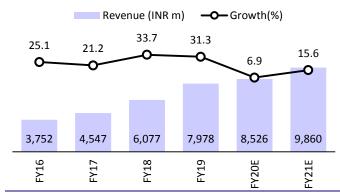
### Exhibit 1: Excerpt from minutes of 35<sup>th</sup> GST Council meet

27.25. The Hon'ble Minister from Goa stated that he was also a member of the GoM on Lottery and a lot of deliberation had been done on the subject. Now Punjab was of the view that the Council should wait for the decision of the Hon'ble Supreme Court. Further, the Hon'ble Supreme Court had clearly opined that the views of the GST Council should be made known to them by a specific date. Thus, the Council needed to decide first on it. On all other occasions, the Council had converged to a decision but on lottery, no consensus was emerging. The smaller States like Goa and other North Eastern States were being punished for the sake of revenue of the bigger States. He further stated that in his opinion, there should be one single rate as Goa preferred one nation, one tax. He also stated that he wanted to present the case of taxation of Casinos, where no other State was impacted as Casinos were only in Goa. He was not requesting for reducing the rate and was agreeable to any rate that was decided by the Council through consensus. However, the problem was regarding methodology and procedure for deciding the value for tax purpose i.e. face value or bet amount. It would be fair if net amount or Gross Gaming Revenue (GGR) was taxed, whereas, as on date, it was being taxed on face value. Hence, effectively, it was taxed at every bet or round; which would result in closure of casino. After mining had been stopped in Goa, the casino was a major source of revenue to the State and had also become a huge employment generating industry. The only proposal was that this matter should be referred to the Fitment Committee or the Law Committee so that the methodology and the tax on net amount or Gross Gaming Revenue (GGR) could be decided.

Source: MOFSL, Company

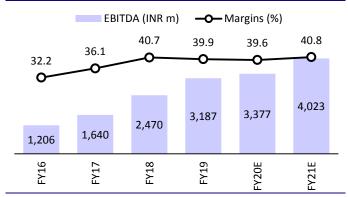
## **Story in charts**

Exhibit 2: Expect revenue CAGR of 11% over FY19-21



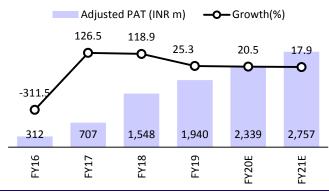
Source: MOFSL, Company

**Exhibit 3: Margin to expand** 



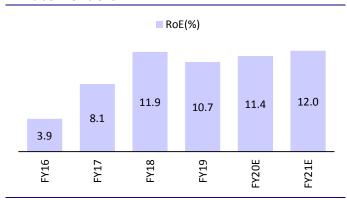
Source: MOFSL, Company

Exhibit 4: Expect adj. PAT CAGR of 19% over FY19-21



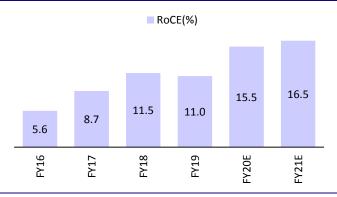
Source: MOFSL, Company

**Exhibit 5: RoE trend** 



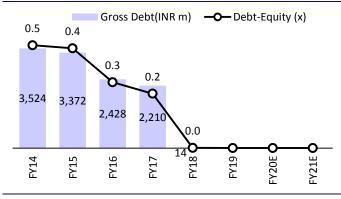
Source: MOFSL, Company

**Exhibit 6: RoCE set to improve** 



Source: MOFSL, Company

**Exhibit 7: To remain debt free** 



Source: MOFSL, Company

# **Financials and valuations**

Consolidated - Income Statement						<u> </u>	R Million)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Total Income from Operations	3,000	3,752	4,547	6,077	7,978	8,526	9,860
Change (%)	-46.3	25.1	21.2	33.7	31.3	6.9	15.6
Cost of Materials Consumed	205	294	315	351	387	496	493
% of Sales	6.8	7.8	6.9	5.8	4.8	5.8	5.0
Personnel Expenses	526	591	641	946	1,100	1,189	1,302
% of Sales	17.5	15.7	14.1	15.6	13.8	14.0	13.2
Other Expenses	1,603	1,661	1,952	2,309	3,304	3,463	4,043
% of Sales	53.4	44.3	42.9	38.0	41.4	40.6	41.0
Total Expenditure	2,334	2,545	2,907	3,606	4,791	5,149	5,837
Total Income from Operations	3,000	3,752	4,547	6,077	7,978	8,526	9,860
Total Expenditure	2,334	2,545	2,907	3,606	4,791	5,149	5,837
% of Sales	77.8	67.8	63.9	59.3	60.1	60.4	59.2
EBITDA  Magain (00)	665	1,206	1,640	2,470	3,187	3,377	4,023
Margin (%)	22.2	32.2	36.1	40.7	39.9	39.6	40.8
Depreciation EBIT	347 <b>318</b>	359	361	371	377	474	536
	513	<b>847</b> 413	<b>1,278</b> 350	<b>2,099</b> 104	<b>2,810</b>	2,903	3,487
Int. and Finance Charges Other Income	74	70	49	286	313	40 287	290
PBT bef. EO Exp.	-120	<b>503</b>	978	<b>2,281</b>	3,105	3,150	3,737
EO Items	- <b>120</b> -49	105	-42	-10	-43	-7	0
PBT after EO Exp.	-1 <b>69</b>	608	1,020	2,292	3,148	3,157	3,737
Current Tax	155	202	280	737	1,141	824	990
Deferred Tax	133 -47	0	0	0	0	0	0
Tax Rate (%)	-64.1	33.2	27.4	32.2	36.3	26.1	26.5
Less: Mionrity Interest	-50	24	27.4	-1	39	-11	-11
Reported PAT	-228	382	738	1,555	1,968	2,344	2,757
Adjusted PAT	-148	312	707	1,548	1,940	2,339	2,757
Change (%)	-134.2	-311.5	126.5	118.9	25.3	20.5	17.9
Margin (%)	-4.9	8.3	15.6	25.5	24.3	27.4	28.0
Consolidated - Balance Sheet							Million)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Equity Share Capital	231	231	232	268	271	271	271
Total Reserves	7,420	8,123	8,970	16,560	19,152	21,348	23,959
Net Worth	7,651	8,354	9,202	16,827	19,423	21,619	24,229
Minority Interest	244	270	160	141	80	80	80
Deferred Liabilities	160	0	0	245	243	243	243
Total Loans	3,372	2,428	2,210	17 229	2	21.044	24.554
Crass Block	11,426	11,051	11,572	17,228	19,748	21,944	24,554
Gross Block Less: Accum. Deprn.	8,739	8,508	8,715	10,183	10,595	13,095	15,095
Net Fixed Assets	800	1,160	1,521	1,892	2,269	2,743	3,279
Goodwill on Consolidation	<b>7,938</b> 604	7,348	7,194	8,290	<b>8,326</b>	<b>10,352</b>	11,817
Capital WIP	38	1,258 27	1,327 5	3,946 41	3,969 129	3,969 129	3,969
Total Investments	1,077	826	981	4,220	4,455	4,955	129 <b>6,455</b>
Curr. Assets, Loans&Adv.	2,459	2,100	2,715	3,183	3,832	3,805	3,712
Inventory	695	708	695	705	958	888	973
Account Receivables	228	142	43	83	70	117	135
Cash and Bank Balance	210	228	314	1,235	738	631	326
Loans and Advances	1,326	1,023	1,663	1,161	2,066	2,170	2,278
Curr. Liability & Prov.	911	899	1,000	2,854	1,202	1,504	1,766
	735	806	906	2,760	1,106	1,402	1,648
Account Pavables							
Account Payables Provisions	176	93	45	94	yn -	107	119
Provisions	176 1.548	93 1. <b>201</b>	95 1. <b>715</b>	94 <b>330</b>	96 <b>2.630</b>	102 2.301	119 1.946
·	176 <b>1,548</b> 221	1,201 391	<b>1,715</b> 351	<b>330</b> 402	<b>2,630</b>	<b>2,301</b>	119 1,946 240

## **Financials and valuations**

FYLS	Ratios							
FPS	Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Cash EPS         0.9         2.9         4.6         7.2         8.6         10.4         12.2           BV/Share         33.2         36.2         39.7         62.9         71.7         79.8         89.4           DPS         0.1         0.2         0.4         0.0         0.4         0.5         0.5           Payout (%)         -12.5         14.5         13.2         0.0         6.6         6.3         5.3           Valuation (x)         V         198.0         58.7         37.1         22.8         20.0         16.5         14.1           P/E         267.1         126.3         56.0         29.6         23.9         19.8         16.8           EV/Sales         16.3         12.8         10.5         24.7         4.3         2.7         2.4         21.1         1.9           EV/Sales         16.3         12.8         10.5         1.9         3.9         2.91         1.6.5         12.9         12.2         10.3           EV/Sales         16.3         12.8         10.5         1.6.5         12.9         12.2         10.3         10.3         10.1         10.2         10.3         10.3         10.1         10.1 <td>Basic (INR)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Basic (INR)							
BV/Share   33.2   36.2   39.7   62.9   71.7   79.8   89.4   DPS   0.1   0.2   0.4   0.0   0.4   0.5   0.5   Payout (%)   -12.5   14.5   13.2   0.0   6.6   6.3   5.3   Valuation (x)   F/E   267.1   126.3   56.0   29.6   23.9   19.8   16.8   Cash P/E   198.0   58.7   37.1   23.8   20.0   16.5   14.1   EV/Sale   198.0   13.2   10.5   7.3   5.6   5.3   4.6   EV/Sale   16.3   12.8   10.5   7.3   5.6   5.3   4.6   EV/Sale   16.5   12.9   10.2   10.3   Dividend Vield (%)   0.1   0.1   0.2   0.0   0.2   0.3   0.3   EVET pay have the state of	EPS	-0.6	1.4	3.1	5.8	7.2	8.6	10.2
DPS	Cash EPS	0.9	2.9	4.6	7.2	8.6	10.4	12.2
Payout (%)         -12.5         14.5         13.2         0.0         6.6         6.3         5.3           Valuation (x)         P/E         -267.1         126.3         56.0         29.6         23.9         19.8         16.8           Cash P/E         198.0         58.7         37.1         23.8         20.0         16.5         14.1           EV/Sales         16.3         12.8         10.5         7.3         5.6         5.3         4.6           EV/EBITDA         73.5         39.8         29.1         16.5         12.9         12.2         10.3           EV/EBITDA         0.1         0.1         0.1         0.2         0.0         0.2         0.3         0.3           FCF per share         3.2         4.6         4.0         3.1         1.7         1.0         4.0           Rof         1.9         3.9         8.1         11.9         10.7         11.4         12.0           Rof         1.9         3.9         8.1         11.9         10.7         11.4         12.0           Rof         1.9         3.9         8.1         11.9         10.7         11.4         12.0           Rof	BV/Share	33.2	36.2	39.7	62.9	71.7	79.8	89.4
	DPS	0.1	0.2	0.4	0.0	0.4	0.5	0.5
P/E	Payout (%)	-12.5	14.5	13.2	0.0	6.6	6.3	5.3
Cash P/E   198.0   58.7   37.1   23.8   20.0   16.5   14.1   1.9   P/BV   5.2   4.7   4.3   2.7   2.4   2.1   1.9   EV/Sales   16.3   12.8   10.5   7.3   5.6   5.3   4.6   EV/Sales   16.3   12.8   10.5   7.3   5.6   5.3   4.6   EV/Sales   16.3   32.8   10.5   7.3   5.6   5.3   4.6   EV/Sales   16.3   39.8   29.1   16.5   12.9   12.2   10.3   30.3   2.5   2	Valuation (x)							
F SV   5.2	P/E	-267.1	126.3	56.0	29.6	23.9	19.8	16.8
EV/SeITDA	Cash P/E	198.0	58.7	37.1	23.8	20.0	16.5	14.1
EV/EBITOA   73.5   39.8   29.1   16.5   12.9   12.2   10.3	P/BV	5.2	4.7	4.3	2.7	2.4	2.1	1.9
Divided Yield (%)	EV/Sales	16.3	12.8	10.5	7.3	5.6	5.3	4.6
FCF per share   3.2   4.6   4.0   3.1   1.7   1.0   4.0     Return Ratios (%)	EV/EBITDA	73.5	39.8	29.1	16.5	12.9	12.2	10.3
Return Ratios (%)   Roce	Dividend Yield (%)	0.1	0.1	0.2	0.0	0.2	0.3	0.3
RoE   -1.9   3.9   8.1   11.9   10.7   11.4   12.0   RoCE   5.8   5.6   8.7   11.5   11.0   15.5   15.5   15.5   RoIC   5.4   5.6   9.2   11.9   13.7   14.0   15.1   Morking Capital Ratios	FCF per share	3.2	4.6	4.0	3.1	-1.7	1.0	4.0
ROCE         5.8         5.6         8.7         11.5         11.0         15.5         16.5           ROC         5.4         5.6         9.2         12.9         13.7         14.0         15.1           Working Capital Ratios         ****           Asset Turnover (x)         0.3         0.3         0.4         0.4         0.4         0.4           Inventory (Days)         85         69         56         42         44         38         36           Debtor (Days)         89         78         73         166         51         60         61           Working Cap. Turnover (Days)         23         4         -13         -18         -4         -17         -20           Leverage Ratio (x)         **** (INR Million)***           Debt/Equity         0.4         0.3         0.2         0.0         0.0         0.0           ***Creditor (Days)         ***Creditor (Days)         ***Creditor (Days)         ***Creditor (Days)           **Creditor (Days)         ***Creditor (Days)         **Creditor (Days)         ***Creditor (Days)         **Creditor (Days)         **Creditor (Days) <t< td=""><td>Return Ratios (%)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Return Ratios (%)							
Note	RoE	-1.9	3.9	8.1	11.9	10.7	11.4	12.0
Working Capital Ratios           Asset Turnover (x)         0.3         0.3         0.4         0.4         0.4         0.4           Inventory (Days)         85         69         56         42         44         38         36           Debtor (Days)         28         14         3         5         3         5         5           Creditor (Days)         89         78         73         166         51         60         61           Working Cap, Turnover (Days)         23         4         -13         -18         -4         -17         -20           Leverage Ratio (x)         2	RoCE	5.8	5.6	8.7	11.5	11.0	15.5	16.5
Asset Turnover (x)	RoIC	5.4	5.6	9.2	12.9	13.7	14.0	15.1
Inventory (Days)	Working Capital Ratios							
Debtor (Days)         28         14         3         5         3         5         5           Creditor (Days)         89         78         73         166         51         60         61           Working Cap. Turnover (Days)         23         4         -13         -118         -4         -17         -20           Leverage Ratio (x)         (INM Million)           Pebt/Equity         0.4         0.3         0.2         0.0         0.0         0.0         0.0           Consolidated - Cash Flow Statement         (INM Million)           Y/E March         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,373           Depreciation         347         382         361         371         377         474         526           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Interest & Finance Charges         495         397         300         -182         -295         -247         -250	Asset Turnover (x)	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Creditor (Days)         89         78         73         166         51         60         61           Working Cap. Turnover (Days)         23         4         -13         -118         -4         -17         -20           Leverage Ratic (x)         Debt/Equity         0.4         0.3         0.2         0.0         0.0         0.0         0.0           Consolidated - Cash Flow Statement         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,737           Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,114         -824         -990           Unc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815	Inventory (Days)	85	69	56	42	44	38	36
Working Cap. Turnover (Days)         23         4         -13         -118         -4         -17         -20           Leverage Ratio (x)         Consolidated - Cash Flow Statement         Image: Cash Flow Statement         Image: Cash Flow Statement         Image: Cash Flow Statement         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,737           Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           Inter Operations         862         1,313         932         4,815         461         2,874	Debtor (Days)	28	14	3	5	3	5	5
Debt/Equity	Creditor (Days)	89	78	73	166	51	60	61
Consolidated - Cash Flow Statement         (INR Million)           Vf E March         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,737           Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107	Working Cap. Turnover (Days)	23	4	-13	-118	-4	-17	-20
Consolidated - Cash Flow Statement         (INR Million)           Y/E March         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,737           Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/Jode in FA         -107         -89	Leverage Ratio (x)							
V/E March         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,737           Depreciation         347         382         361         371         377         474         556           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500	Debt/Equity	0.4	0.3	0.2	0.0	0.0	0.0	0.0
V/E March         FY15         FY16         FY17         FY18         FY19         FY20E         FY21E           OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,150         3,737           Depreciation         347         382         361         371         377         474         556           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500								
OP/(Loss) before Tax         -166         596         978         2,281         3,105         3,137           Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,500           Free Cash Flow         731         1,068         927         818         -473         282         1,083     <	Consolidated - Cash Flow Statement						(INR	Million)
Depreciation         347         382         361         371         377         474         536           Interest & Finance Charges         495         397         300         -182         -295         -247         -250           Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         3         2         -155         -3,240         -234	Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest & Finance Charges   495   397   300   -182   -295   -247   -250     Direct Taxes Paid   -354   -156   -280   -737   -1,141   -824   -990     (Inc)/Dec in WC   539   94   -427   3,081   -1,585   321   155     CF from Operations   862   1,313   932   4,815   461   2,874   3,188     Others   -23   -156   180   125   -433   -92   -105     CF from Operating incl EO   838   1,157   1,112   4,940   28   2,782   3,083     (inc)/dec in FA   -107   -89   -185   -4,122   -500   -2,500   -2,000     Free Cash Flow   731   1,068   927   818   -473   282   1,083     (Pur)/Sale of Investments   3   32   -155   -3,240   -234   -500   -1,500     Others   -145   -63   49   -35   313   287   290     CF from Investments   -250   -120   -290   -7,396   -422   -2,713   -3,210     Issue of Shares   145   0   1   5,500   0   0   0     (Inc)/Dec in Debt   -152   -524   -218   -2,196   -13   0   0     Interest Paid   -62   -28   -98   0   -130   -147   -147     Dividend Paid   -62   -28   -98   0   -130   -147   -147     Others   -309   -40   -72   176   59   10   10     CF from Fin. Activity   -929   -1,018   -736   3,377   -101   -177   -177     Inc/Dec of Cash   -341   18   86   921   -496   -107   -304     Opening Balance   551   210   228   314   1,233   738   631	OP/(Loss) before Tax	-166	596	978	2,281	3,105	3,150	3,737
Direct Taxes Paid         -354         -156         -280         -737         -1,141         -824         -990           (Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713	Depreciation	347	382	361	371	377	474	536
(Inc)/Dec in WC         539         94         -427         3,081         -1,585         321         155           CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0	Interest & Finance Charges	495	397	300	-182	-295	-247	-250
CF from Operations         862         1,313         932         4,815         461         2,874         3,188           Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0	Direct Taxes Paid	-354	-156	-280	-737	-1,141	-824	-990
Others         -23         -156         180         125         -433         -92         -105           CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40	(Inc)/Dec in WC	539	94	-427	3,081	-1,585	321	155
CF from Operating incl EO         838         1,157         1,112         4,940         28         2,782         3,083           (inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147 <td>CF from Operations</td> <td>862</td> <td>1,313</td> <td>932</td> <td>4,815</td> <td>461</td> <td>2,874</td> <td>3,188</td>	CF from Operations	862	1,313	932	4,815	461	2,874	3,188
(inc)/dec in FA         -107         -89         -185         -4,122         -500         -2,500         -2,000           Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from	Others	-23	-156	180	125	-433	-92	-105
Free Cash Flow         731         1,068         927         818         -473         282         1,083           (Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc	CF from Operating incl EO	838	1,157	1,112	4,940	28	2,782	3,083
(Pur)/Sale of Investments         3         32         -155         -3,240         -234         -500         -1,500           Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Openi	(inc)/dec in FA	-107	-89	-185	-4,122	-500	-2,500	-2,000
Others         -145         -63         49         -35         313         287         290           CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Free Cash Flow	731	1,068	927	818	-473	282	1,083
CF from Investments         -250         -120         -290         -7,396         -422         -2,713         -3,210           Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	(Pur)/Sale of Investments	3	32	-155	-3,240	-234	-500	-1,500
Issue of Shares         145         0         1         5,500         0         0         0           (Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Others	-145	-63	49	-35	313	287	290
(Inc)/Dec in Debt         -152         -524         -218         -2,196         -13         0         0           Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	CF from Investments	-250	-120	-290	-7,396	-422	-2,713	-3,210
Interest Paid         -551         -427         -350         -104         -18         -40         -40           Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Issue of Shares	145	0	1	5,500	0	0	0
Dividend Paid         -62         -28         -98         0         -130         -147         -147           Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	(Inc)/Dec in Debt	-152	-524	-218	-2,196	-13	0	0
Others         -309         -40         -72         176         59         10         10           CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Interest Paid	-551	-427	-350	-104	-18	-40	-40
CF from Fin. Activity         -929         -1,018         -736         3,377         -101         -177         -177           Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Dividend Paid	-62	-28	-98	0	-130	-147	-147
Inc/Dec of Cash         -341         18         86         921         -496         -107         -304           Opening Balance         551         210         228         314         1,233         738         631	Others	-309	-40	-72	176	59	10	10
Opening Balance         551         210         228         314         1,233         738         631	CF from Fin. Activity	-929	-1,018	-736	3,377	-101	-177	-177
·	Inc/Dec of Cash	-341	18	86	921	-496	-107	-304
Closing Balance 210 228 314 1,234 738 631 326	Opening Balance	551	210	228	314	1,233	738	631
	Closing Balance	210	228	314	1,234	738	631	326

### NOTES

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

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

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. INH00000412. 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. 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

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 <a href="https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx">https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx</a>

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>. 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.

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 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 MOSL, 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 MOSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 MOSL, 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 MOSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOSL 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, 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.

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