

# **Reliance Industries**

**BSE SENSEX S&P CNX** 31,715 9,294

CMP: INR1,435 TP: INR1,618 (+13%)

Buy



#### Industries Limite

S	to	c	ĸ	In	ıt	O
_		_			_	_

Bloomberg	RIL IN
Equity Shares (m)	6,339
M.Cap.(INRb)/(USDb)	9099.4 / 122.8
52-Week Range (INR)	1618 / 876
1, 6, 12 Rel. Per (%)	18/20/21
12M Avg Val (INR M)	16415
Free float (%)	51.1

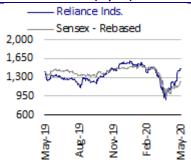
## Financials Snapshot (INR b)

Y/E March	2020E	2021E	2022E
Net Sales	5,957	5,358	6,873
EBITDA	879	902	1,197
Net Profit	432	421	622
Adj. EPS (INR)	68.1	66.4	98.1
EPS Gr. (%)	8.4	-2.5	47.8
BV/Sh. (INR)	715.1	776.7	867.2
Ratios			
Net D:E	0.6	0.5	0.3
RoE (%)	10.3	8.9	11.9
RoCE (%)	8.5	7.7	9.9
Payout (%)	11.6	7.3	7.8
Valuations			
P/E (x)	21.5	22.0	14.9
P/BV (x)	2.0	1.9	1.7
EV/EBITDA(x)	13.5	13.2	9.4
EV/Sales (x)	2.0	2.2	1.6
Div. Yield (%)	0.4	0.3	0.4

## Shareholding pattern (%)

As On	Dec-19	Sep-19	Dec-18			
Promoter	48.9	48.9	46.2			
DII	13.6	14.2	12.2			
FII	26.3	25.6	25.7			
Others 11.2 11.4 16.0						
FII Includes depository receipts						

## Stock Performance (1-year)



## Reaffirmation of Jio Platforms' valuation!

## Tech investor Silver Lake picks 1.14% stake for INR55.8b

- Close on the heels of the RIL-Facebook deal (<u>see report</u>), global tech investor Silver Lake has acquired 1.14% stake in Jio Platforms for INR55.8b, at postmoney equity value of INR4.9t (in-line).
- The stake sale further reaffirms global demand/confidence of marquee tech investors in Jio Platforms. This would enable Jio Platforms to crystalize its digital plans by leveraging the global experience of its investors.
- Further, RJio's leverage (net debt to EBITDA) has reduced from 9.7x in FY19 to 0.7x currently through recent capital reorganization, creation of InvIT and the stake sale, creating a lean balance sheet and healthy RoCE.
- We value Jio using DCF at INR 760/share which in-turn implies an FY22E EV/EBITDA of 11x.

## Contours of the deal

- In an all-cash deal, Silver Lake has announced the acquisition of 1.14% stake in Jio Platforms at post-money equity value of INR4.9t and an enterprise value of INR5.2t.
- Compared to the recently announced Facebook deal at INR4.4t post-money equity value, Silver Lake's investment is at 12.5% premium on post-money equity basis and at ~11.5% on enterprise basis.
- We have ascribed INR5.1t as enterprise value, and thus, this deal is in line with our valuation for RJio.

## Reaffirmation of the digital business

- A second deal in less than a month (following the mega RIL-FB tie-up) reaffirms the strong valuation of Jio Platforms and its global demand.
- Silver Lake boasts of other tech investments like Airbnb, Alibaba, Ant Financial, Alphabet's Verily and Waymo units, Dell Technologies and Twitter among others.
- Jio Platforms joins the illustrious list of marquee names in whose tech success Silver Lake has participated. Thus, Jio Platforms would now be able to crystalize its digital plans by leveraging the experience of Silver Lake.

## Jio Digital now virtually debt free

RJio's leverage has reduced significantly in the past year – from net debt of INR1.4t (net debt to EBITDA of 9.7x) to just INR250b currently (net debt to EBITDA of about 0.7x). This is attributed to the Infrastructure Investment Trust (InvIT) of INR707b announced last fiscal, an additional INR1.08t (apart from the FB amount received) moving to RIL and ~INR147b from the FB stake sale (rest transferred to RIL). This has created a very lean balance sheet, enabling RJio to save interest cost of ~INR90b and garner RoCE of 18.6% in FY21E.

Swarnendu Bhushan-Research Analyst (Swarnendu.Bhushan@MotilalOswal.com); +91 22 6129 1529

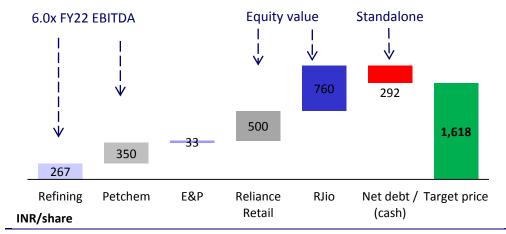
Sarfraz Bhimani - Research Analyst (Sarfraz.Bhimani@MotilalOswal.com); +91 22 6129 1566

Investors are advised to refer through important disclosures made at the last page of the Research Report.

## Valuation and view

We expect RJio to garner 44% EBITDA CAGR over FY20-22E on the back of 22% revenue CAGR and 1,550bp margin improvement. Its recent 4QFY20 results saw the company post subdued ARPU growth. However, we understand the extended validity plans could accrue ARPU increase in FY21. Further, VIL's stretched balance sheet offers an incremental opportunity to RJio through ARPU increase or market share gains. We have valued RJio at an enterprise value of INR5,084b using our DCF-based method, with an implied EV/EBITDA of 15x/11x on FY21/FY22E, to arrive at value/share of INR760.

Exhibit 1: RJio - DCF Valuation (INR b)



Source: MOFSL, Company

Exhibit 2: Post-money, RJio's equity value stands at INR4.9b (INR b)

Pre-money	Silverlake amount infused	Post-money	Premium to	
The money	in Jio Platforms	1 ost money	FB deal	
5,150	0	5,150	11.5%	
306	56	250		
4,844	56	4,900	12.5%	
	306	5,150 0 306 56	Pre-money         in Jio Platforms         Post-money           5,150         0         5,150           306         56         250	

Source: Company

Exhibit 3: Silver Lake infuses INR55.75b for 1.14% stake in Jio Platforms

Particulars	
Total amount received from Silverlake (INR b)	55.75
Stake (%)	1.14%

Source: Company

Exhibit 4: RJio - DCF Valuation (INR b)

Particulars	FY20E	FY21E	FY22E	FY23-30E
EBITDA	216	346	447	4,294
Capex	368	200	218	948
FCFF (pre-tax)	-153	146	229	3,346
Tax	-21	-60	-87	-996
FCFF (post-tax)	-173	87	142	2,351
Terminal Value				7,105
Cash flow after Terminal Value	-173	87	142	9,456
NPV (INR b)	5,084			

Particulars	
Terminal growth rate	5%
Enterprise value (INR b)	5,084
Net debt (INR b)	584
Equity value (INR b)	4,501
No of shares (b)	5.9
Target price (INR)	760

Source: MOFSL, Company

Exhibit 5: RJio's net debt reduces to INR250b

RJio debt reconciliation	Amount in INR b
Net debt including tower and fiber debt in 2QFY20	2,354
Tower debt	247
Fiber Debt	460
Debt remaining after tower and fiber debt	1,647
Debt transferred to RIL	1,080
Net debt post reorganisation based on 2QFY20	567
Debt reduction in 2HFY20	246
Net debt as of Mar'20	321
Net debt during Silverlake deal	306
Cash received from Silverlake deal	56
Net debt post Silverlake deal	250

Note: We considered INR460b in fiber debt in our valuation as the deal is yet to be finalized

Source: MOFSL, Company

Exhibit 6: VIL needs to implement price hike to survive

(Amount in INR b)	FY22
Capex	52
Cash Interest	30
Deferred spectrum liability	165
AGR payment	52
Total requirement	300
EBITDA (pre-IND-AS 116)	195
Incremental EBITDA required	105
Incremental revenue required	149
ARPU (INR)	138
Subscribers (m)	364
ARPU hike required (INR)	34
New ARPU (INR)	173
Increase in ARPU required (%)	25%
	Source: MOFSL, Company

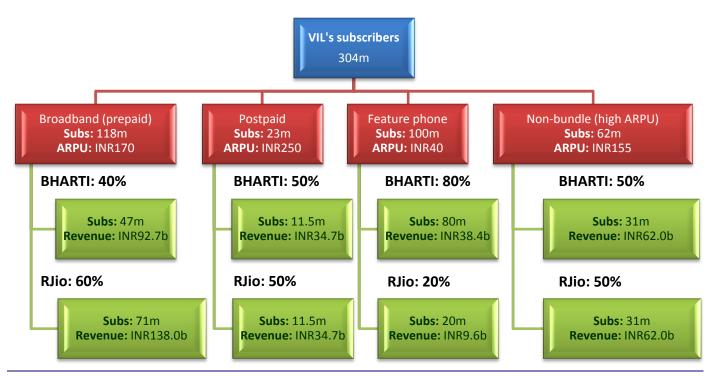
Exhibit 7: At 25% ARPU hike (needed by VIL to survive), RJio's incremental EBITDA estimated at INR142b

Company	RJio
(Amount in INR b)	FY22
EBITDA	447
ARPU (INR)	148
Increase in ARPU due to VIL price hike (%)	25%
New ARPU	185
Subscribers (m)	462
Incremental revenue	203
Incremental EBITDA	142
New EBITDA	589
Increase in EBITDA (%)	32%

Source: MOFSL, Company

4 May 2020 3

Exhibit 8: VIL's customer transition to BHARTI/RJio – Customer split at ~60%/40%, while revenue split is equal



Source: MOFSL, Company

## **Reliance Jio Infocomm: Story in charts**

Exhibit 9: Potential to reach INR1b in revenue in FY22E

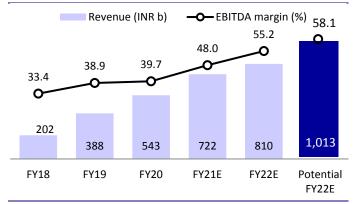
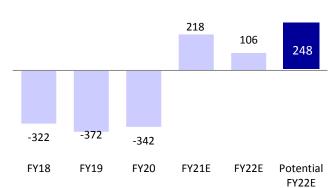
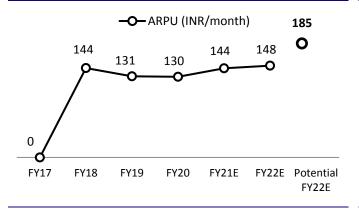


Exhibit 47: FCF potential to reach INR248b in FY22E (INR b)



Source: Company, MOFSL

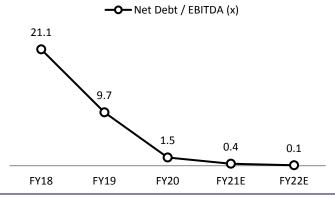
Exhibit 10: ARPU potential to reach ~INR185 in FY22E



Source: Company, MOFSL

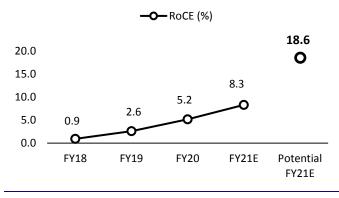
Source: Company, MOFSL

Exhibit 48: Net debt / EBITDA to decline



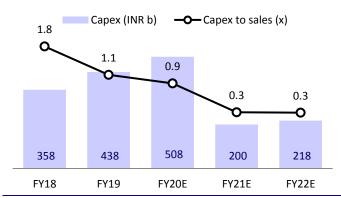
Source: Company, MOFSL

Exhibit 11: RoCE potential to reach 18.6% in FY21E



Source: Company, MOFSL

Exhibit 49: Capex/sales to decrease to 0.3x in FY22E



Source: Company, MOFSL

## **Reliance Jio Infocomm: Financials and valuations**

Consolidated – Income stateme	nt							(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
<b>Total Income from Operations</b>	0	0	0	202	388	543	722	810
Change (%)	NA	0.0	-50.0	NA	92.7	39.9	32.9	12.2
Total Expenditure	0	0	0	134	237	327	376	363
% of Sales	NA	NA	NA	66.6	61.1	60.3	52.0	44.8
EBITDA	0	0	0	67	151	216	346	447
Margin (%)	NA	NA	NA	33.4	38.9	39.7	48.0	55.2
Depreciation	0	0	0	36	64	74	101	111
EBIT	0	0	0	32	87	142	246	335
Int. and Finance Charges	0	0	0	20	41	66	25	34
Other Income	0	0	0	0	0	1	4	17
PBT after EO Exp.	0	0	0	11	46	76	225	319
Total Tax	0	0	0	4	16	21	60	87
Tax Rate (%)	0.0	34.4	34.5	34.8	34.9	27.2	26.6	27.1
Reported PAT	0	0	0	7	30	56	165	233
Adjusted PAT	0	0	0	7	30	56	165	233
Change (%)	NA	-31.7	98.6	LP	310.0	87.7	196.7	41.0
Margin (%)	NA	NA	NA	3.6	7.6	10.2	22.9	28.7

Consolidated – Balance sheet								(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
Equity Share Capital	301	450	450	450	450	450	450	450
Total Reserves	-1	-78	259	579	-46	1,260	1,425	1,657
Net Worth	301	372	709	1,029	404	1,710	1,875	2,107
Total Loans	239	884	1,244	1,438	1,479	421	421	421
Capital Employed	539	1,257	1,953	2,468	1,883	2,130	2,295	2,528
Gross Block	10	12	14	1,595	1,444	1,772	2,224	2,442
Less: Accum. Deprn.	1	2	4	40	104	138	278	390
Net Fixed Assets	9	9	10	1,555	1,340	1,634	1,946	2,053
Capital WIP	723	1,061	1,780	700	346	213	0	0
Total Investments	8	8	9	10	13	25	11	11
Curr. Assets, Loans&Adv.	80	197	211	272	259	545	677	806
Account Receivables	0	0	0	9	7	16	40	44
Cash and Bank Balance	0	0	0	7	4	75	286	376
Loans and Advances	80	197	210	256	247	454	351	385
Curr. Liability & Prov.	281	19	56	70	74	152	154	157
Account Payables	0	0	0	31	33	47	46	45
Other Current Liabilities	281	19	55	34	41	104	94	97
Provisions	0	0	1	5	1	1	14	16
Net Current Assets	-201	178	155	202	185	394	523	649
Appl. of Funds	539	1,257	1,953	2,468	1,883	2,265	2,480	2,713

E: MOFSL Estimates

# **Reliance Jio Infocomm: Financials and valuations**

Ratios								
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
Basic (INR)								
EPS	0.0	0.0	0.0	0.2	0.7	1.2	3.7	5.2
Cash EPS	0.0	0.0	0.0	1.0	2.1	2.9	5.9	7.6
BV/Share	10.0	8.3	15.7	22.9	9.0	38.0	41.7	46.8
DPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Payout (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valuation (x)								
FCF per share		-4.9	-9.3	-7.2	-8.3	-7.6	4.9	2.4
Return Ratios (%)								
RoE	-0.1	0.0	-0.1	0.8	4.1	5.3	9.2	11.7
RoCE	NA	0.0	0.0	0.9	2.6	5.2	8.3	10.7
RoIC	NA	7.7	-0.2	2.1	3.5	6.2	9.5	11.8
<b>Working Capital Ratios</b>								
Fixed Asset Turnover (x)	0.0	0.0	0.0	0.1	0.3	0.3	0.3	0.3
Asset Turnover (x)	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3
Debtor (Days)	274	913	3,650	17	7	11	20	20
Creditor (Days)	0	0	0	56	31	32	23	20
Leverage Ratio (x)								
Current Ratio	0.3	10.3	3.8	3.9	3.5	3.6	4.4	5.1
Interest Cover Ratio	-14.0	-18.0	-47.2	1.5	2.1	2.1	9.7	10.0
Net Debt/Equity	0.8	2.4	1.7	1.4	3.6	0.2	0.1	0.0

Consolidated – Cash flow state	ement							(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
OP/(Loss) before Tax	0	0	0	11	46	76	225	319
Depreciation	0	0	0	36	64	74	101	111
Interest & Finance Charges	0	0	0	20	41	66	25	34
Direct Taxes Paid	0	0	0	-2	-10	-12	-60	-87
(Inc)/Dec in WC	-28	-43	-34	-29	-75	-37	116	-36
CF from Operations	-28	-44	-34	36	66	168	407	342
Others	0	0	0	0	0	-2	11	-17
CF from Operating incl EO	-28	-44	-34	36	67	166	418	324
(Inc)/Dec in FA	-95	-176	-385	-358	-438	-508	-200	-218
Free Cash Flow	-123	-220	-419	-322	-372	-342	218	106
(Pur)/Sale of Investments	-5	0	0	-1	0	-9	14	0
Others	0	0	0	0	0	4	8	22
CF from Investments	-101	-177	-386	-359	-438	-512	-178	-196
Issue of Eq/Pref.Shares	71	150	337	313	0	1,250	0	0
Inc/(Dec) in Debt	72	103	141	102	460	-538	0	0
Interest Paid	-13	-33	-58	-85	-92	-103	-25	-34
Dividend Paid	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0
CF from Fin. Activity	129	220	420	330	368	609	-25	-34
Inc/Dec of Cash	0	0	0	7	-3	262	216	94
Opening Balance	0	0	0	0	7	0	71	282
Closing Balance	0	0	0	7	4	262	286	376

## **Reliance Consol.: Financials and valuations**

Consolidated – Income statement								(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E	FY22E
Total Income from Operations	3,754.4	2,740.0	3,053.8	3,916.8	5,692.1	5,957.0	5,357.8	6,872.5
Change (%)	-13.6	-27.0	11.5	28.3	45.3	4.7	-10.1	28.3
EBITDA	373.6	417.0	461.9	641.8	841.7	878.8	902.4	1,197.3
Margin (%)	10.0	15.2	15.1	16.4	14.8	14.8	16.8	17.4
Depreciation	115.5	115.7	116.5	167.1	209.3	222.0	244.0	259.3
EBIT	258.2	301.4	345.5	474.7	632.3	656.7	658.4	938.0
Int. and Finance Charges	33.2	36.9	38.5	80.5	165.0	220.3	232.5	229.9
Other Income	86.1	122.9	93.4	88.6	83.9	143.0	140.0	137.3
PBT bef. EO Exp.	311.1	387.4	400.3	482.8	551.2	579.4	565.8	845.5
EO Items	0.0	0.0	0.0	0.0	0.0	-44.4	0.0	0.0
PBT after EO Exp.	311.1	387.4	400.3	482.8	551.2	535.0	565.8	845.5
Total Tax	74.7	88.8	102.0	133.5	153.9	137.3	145.6	224.0
Tax Rate (%)	24.0	22.9	25.5	27.6	27.9	25.7	25.7	26.5
Minority Interest	0.7	1.2	-0.7	-11.5	-1.0	-1.1	-0.7	-0.7
Reported PAT	235.7	297.5	299.0	360.8	398.4	398.8	420.9	622.1
Adjusted PAT	235.7	297.5	299.0	360.8	398.4	431.8	420.9	622.1
Change (%)	4.8	26.2	0.5	20.7	10.4	8.4	-2.5	47.8
Margin (%)	6.3	10.9	9.8	9.2	7.0	7.2	7.9	9.1
								(IND.L.)
Consolidated – Balance sheet								(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E	FY22E
Equity Share Capital	29.4	29.5	29.6	59.2	59.3	63.4	63.4	63.4
Total Reserves	2,155.4	2,286.0	2,607.5	2,875.8	3,811.9	4,469.9	4,860.2	5,433.5
Net Worth	2,185.0	2,315.6	2,637.1	2,935.1	3,871.1	4,533.3	4,923.6	5,496.9
Minority Interest	30.4	33.6	29.2	35.4	82.8	80.2	80.2	80.2
Total Loans	1,682.5	1,947.1	1,836.8	1,816.0	2,719.4	2,914.2	3,014.2	2,514.2
Deferred Tax Liabilities	129.7	204.9	212.0	245.4	499.2	541.2	541.2	541.2
Capital Employed	4,027.6	4,501.2	4,715.0	5,031.9	7,172.6	8,068.9	8,559.1	8,632.5
Gross Block	2,844.7	3,312.5	3,564.0	5,775.5	5,867.8	7,450.1	8,572.9	9,197.5
Less: Accum. Deprn.	1,324.1	1,505.9	1,627.7	1,794.7	2,004.1	2,226.1	2,470.1	2,729.4
Net Fixed Assets	1,520.6	1,806.6	1,936.3	3,980.7	3,863.8	5,224.0	6,102.8	6,468.1
Goodwill on Consolidation	44.0	42.5	48.9	58.1	120.0	102.6	102.6	102.6
Capital WIP	1,664.6	2,287.0	3,248.4	1,870.2	1,794.6	1,091.1	468.2	343.6
Total Investments	764.5	840.2	856.1	855.3	2,403.0	2,767.7	2,767.7	2,767.7
Curr. Assets, Loans&Adv.	1,051.2	1,013.8	978.3	1,348.4	1,842.7	2,473.8	2,341.3	3,085.3
Inventory	532.5	464.9	489.5	608.4	675.6	739.0	663.5	851.1
Account Receivables	53.2	44.7	81.8	175.6	300.9	196.6	176.5	226.4
Cash and Bank Balance	125.5	110.3	30.2	42.6	110.8	309.2	397.8	592.3
Loans and Advances	340.1	394.0	376.8	521.9	755.4	1,229.1	1,103.5	1,415.5
Curr. Liability & Prov.	1,017.2	1,488.8	2,353.0	3,080.8	2,851.5	3,590.3	3,223.5	4,134.8
Account Payables	594.1	603.0	766.0	1,068.6	1,083.1	968.0	869.1	1,114.8
Other Current Liabilities	353.7	855.8	1,545.9	1,970.8	1,721.1	2,580.8	2,317.2	2,972.3
Provisions	69.5	30.1	41.2	41.4	47.3	41.5	37.2	47.7
Net Current Assets	33.9	-475.0	-1,374.7	-1,732.5	-1,008.8	-1,116.4	-882.2	-1,049.6
Appl. of Funds	4,027.6	4,501.2	4,715.0	5,031.9	7,172.6	8,068.9	8,559.1	8,632.5

E: MOFSL Estimates

4 May 2020

## **Reliance Consol.: Financials and valuations**

Ratios								
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E	FY22E
EPS	37.2	46.9	47.2	56.9	62.8	68.1	66.4	98.1
Cash EPS	55.4	65.2	65.5	83.3	95.9	103.2	104.9	139.0
BV/Share	344.7	365.3	416.0	463.0	610.7	715.1	776.7	867.2
DPS	4.6	4.9	5.1	5.6	6.1	6.1	4.0	6.4
Payout (%)	15.1	12.4	13.1	11.9	11.6	11.6	7.3	7.8
Valuation (x)								
P/E	39.4	31.2	31.0	25.7	23.3	21.5	22.0	14.9
Cash P/E	26.4	22.5	22.3	17.6	15.3	14.2	14.0	10.5
P/BV	4.2	4.0	3.5	3.2	2.4	2.0	1.9	1.7
EV/Sales	2.9	4.1	3.6	2.8	2.1	2.0	2.2	1.6
EV/EBITDA	29.0	26.7	24.0	17.2	14.1	13.5	13.2	9.4
Dividend Yield (%)	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4
Return Ratios (%)								
RoE	11.3	13.2	12.1	13.0	11.7	10.3	8.9	11.9
RoCE	7.2	8.0	7.5	8.8	9.1	8.5	7.7	9.9
RoIC	12.8	17.0	27.9	24.2	17.8	14.4	11.1	14.0
<b>Working Capital Ratios</b>								
Fixed Asset Turnover (x)	1.3	0.8	0.9	0.7	1.0	0.8	0.6	0.7
Asset Turnover (x)	0.9	0.6	0.6	0.8	0.8	0.7	0.6	0.8
Inventory (Days)	52	62	59	57	43	45	45	45
Debtor (Days)	5	6	10	16	19	12	12	12
Creditor (Days)	58	80	92	100	69	59	59	59
Leverage Ratio (x)								
Current Ratio	1.0	0.7	0.4	0.4	0.6	0.7	0.7	0.7
Interest Cover Ratio	7.8	8.2	9.0	5.9	3.8	3.0	2.8	4.1
Net Debt/Equity	0.7	0.8	0.7	0.6	0.7	0.6	0.5	0.3

Consolid	lated -	Cash f	low
----------	---------	--------	-----

statement								(INR b)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E	FY22E
PBT	311.1	387.4	400.3	482.8	551.2	535.0	565.8	845.5
Depreciation	115.5	115.7	116.5	167.1	209.3	222.0	244.0	259.3
Tax paid	-74.7	-88.8	-102.0	-133.5	-153.9	-137.3	-145.6	-224.0
Change in deferred tax liability	10.5	75.2	7.0	33.5	253.8	42.0	0.0	0.0
Change in net working capital	279.9	493.8	819.6	370.1	-655.4	306.0	-145.6	361.9
Operating cash flow	641.5	982.1	1,242.1	931.4	206.1	968.8	519.3	1,243.3
Capex	-1,015.6	-1,022.5	-1,214.0	-842.5	-1,427.5	-2,210.1	-500.0	-500.0
Change in investments	-158.5	-75.6	-15.9	0.8	-198.9	984.2	0.0	0.0
Investing cash flows	-1,174.1	-1,098.2	-1,229.9	-841.7	-1,626.4	-1,226.0	-500.0	-500.0
Change in borrowings	294.9	264.6	-110.4	-20.7	903.4	194.8	100.0	-500.0
Issuance of equity	-2.0	-129.9	61.7	-20.0	584.1	309.8	0.0	0.0
Others	18.8	-126.7	57.3	-13.8	631.5	307.2	0.0	0.0
Dividend paid	-35.6	-37.0	-39.2	-42.8	-46.4	-46.4	-30.6	-48.8
Financing cash flow	278.2	100.9	-92.3	-77.3	1,488.5	455.5	69.4	-548.8
Net change in cash	-254.4	-15.2	-80.1	12.3	68.3	198.4	88.6	194.5
Closing cash balance	125.5	110.3	30.2	42.6	110.8	309.2	397.8	592.3

E: MOFSL Estimates

## 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. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Investment Advisory Services, Depository participant services & distribution of various financial products. MOFSL is a subsidiary company of Passionate Investment Management Pvt. Ltd.. (PIMPL). MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

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

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

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

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.

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 brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this

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

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report

- Research Analyst has not served as director/officer/employee in the subject company

  MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

4 May 2020 11

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

4 May 2020 12