

Bharti Airtel

Buy

BSE SENSEX S&P CNX 53,177 15,850

Motilal Oswal values your support in the Asiamoney Brokers Poll 2022 for India Research, Sales, Corporate Access and Trading team. We request your ballot.





Bloomberg	BHARTI IN
Equity Shares (m)	5,884
M.Cap.(INRb)/(USDb)	3867.8 / 49.1
52-Week Range (INR)	782 / 510
1, 6, 12 Rel. Per (%)	3/8/30
12M Avg Val (INR M)	7633
Free float (%)	44.1

Financials & Valuations (INR b)

	507 796 98
EBITDA 575 695	
	98
Adj. PAT 31 69	
EBITDA Margin (%) 49.4 51.5 5	52.8
Adj. EPS (INR) 5.6 12.4 1	17.5
EPS Gr. (%) -527 122	41
BV/Sh. (INR) 119 160	177
Ratios	
Net D:E 2.3 1.3	0.8
RoE (%) 5.0 8.9 1	L0.4
RoCE (%) 8.0 9.9	L2.4
Div. Payout (%) 0.0 0.0	0.0
Valuations	
EV/EBITDA (x) 9.6 7.4	6.0
P/E (x) 125 56	40
P/BV (x) 5.8 4.4	3.9
Div. Yield (%) 0.0 0.0	0.0
FCF Yield (%) 2.2 7.6	9.9

Shareholding pattern (%)

As On	Mar-22	Dec-21	Mar-21
Promoter	55.9	55.9	55.9
DII	19.5	19.5	20.4
FII	19.4	19.4	18.6
Others	5.2	5.2	5.2

FII Includes depository receipts

CMP: INR681 TP: INR910 (+34%)

Huge FCF opportunity calls

Strong EBITDA growth and flat capex to translate into robust FCF generation

Over the last couple of years, though Bharti's operational performance has been strong, it has lagged in FCF generation and deleveraging that has posed a key concern for the stock. FCF is a key factor in telecom business as technology upgradation continually keeps capex intensity high. However, we believe despite the upcoming investments in 5G, Bharti is witnessing a decadal shift in its FCF generation capability that could translate into healthy deleveraging. We maintain our BUY rating on the stock with a TP of INR910.

Decadal shift in FCF generation capability

- Bharti is entering a phase of high FCF growth. During the last three years (FY19-22), Bharti's EBITDA has jumped over 2x adding INR318b as against an average capex (excluding Spectrum) of INR233b (flat over the period). This translated into a significant FCF.
- During the last three years, we saw an EBITDA addition of 1.4x of the annual capex of Bharti (excluding Spectrum).
- However, Indus and DTH stake acquisitions, AGR payments and liability et al. have led to limited FCF and deleveraging (refer to Exhibit 2).
- We expect Bharti to generate FCF (post-interest) of INR251b/INR368b, i.e. 22%/47% of its net debt (post Ind-AS 116) in FY23/24E, respectively, (refer to Exhibit 1).

Industry dynamics turned favorable

- The change in market construct (led by sector consolidation) over the last five years has assuaged a big historical concern of the past decade (FY08-18), when earnings were depressed and capex continued to rise leading to high leverage.
- At present, the sector consolidation has led to:
- Multiple rounds of tariff hikes, cumulatively >50%, which were unheard-of in the past decade, translating into 39% increase in ARPU for Bharti over FY19-22 (refer to Exhibit 3).
- Nearly 5.3% market share gains (refer to Exhibit 4).
- We see three levers of growth for Bharti: a) 4G mix improvement, b)
 market share gains from VIL, and c) continued tariff hikes.
- These levers along with incremental margin of 65% should drive 18% EBITDA CAGR for Bharti over FY22-24E.

5G not a concern

- One of the key headwinds for Bharti is the fresh round of 5G-led capex.
 However, we draw comfort on 5G from the three factors mentioned below:
- Over the last three years, the increase in EBITDA for Bharti has far outpaced the capex need (refer to Exhibit 5).

Aliasgar Shakir - Research Analyst (Aliasgar.Shakir@MotilalOswal.com)

Stock Performance (1-year)

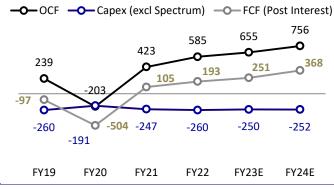


- Bharti has ~INR215b of expected funds (INR160b of uncalled rights issue and INR55b from Google) against an expected spend of ~INR150-200b in the upcoming 5G auction.
- With its EBITDA growth of over 2x in the last three years (FY19-22), Capex amount has now become less impactful − 0.6-0.8x of EBITDA v/s 1.2-1.5x of EBITDA in FY14-15 (refer to Exhibit 5).
- Further, given that 4G is still not fully monetized and 5G device and band ecosystem are yet to be developed, we should see a staggered growth in 5G over the next 3-5 years, unlike the aggressive 4G capex seen during FY16-20.
- The impact on operating cash flow from 5G annual installments in 700MHz/3300MHz bands ranges between 2% and 4% (refer to Exhibit 7).

Improvement in FCF should command better valuation

- The stock is trading at 7x on consolidated FY23E EV/EBITDA with India business trading at slightly below 8x. Historically, Bharti has commanded lower valuations due to intensive competition and high capex intensity that hurt profitability, FCF and return ratios.
- However, we now expect the stock to command better valuation due to:
- consistent 18% EBITDA CAGR over FY22-24E,
- > sustainable FCF yield of ~8-9% and leverage position,
- > low concern on 5G-led capex intensity as EBITDA growth has far outpaced capex need, and
- Bharti turning profitable at the PAT level with high 50%+ growth (over FY22-24E) driven by operating leverage.
- We arrive at our SOTP-based TP of INR910 premised on FY24E EV/EBITDA of 11x for the India Mobile business and 5x for the Africa business.

Exhibit 1: OCF/FCF growth against flat capex (INR b)



Source: MOFSL, Company

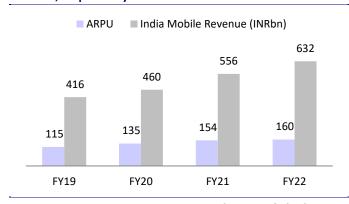
Exhibit 2: Indus and DTH stake acquisitions

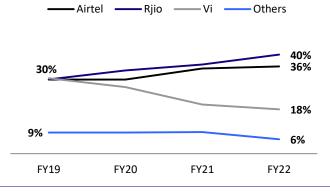
Acquired	Date	Stake	INR b
DTH stake from Warburg Pincus	Feb-21	20.0%	31.3
Indus Tower	Dec-20	4.9%	28.8
Indus Tower	Feb-22	4.7%	25.0

Source: MOFSL, Company

Exhibit 3: ARPU/India Mobile revenue grew 39%/52% over FY19-22, respectively

Exhibit 4: Bharti gaining AGR market share





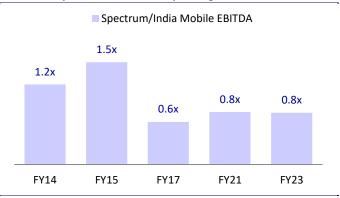
Source: MOFSL, Company

Source: MOFSL, Company

Exhibit 5: Capex/EBITDA improving

101% 0 80% 0 62% 56% 54% 54% 53% 46% 0 40% 0 0 0 0 0 FY13 FY14 FY15 FY16 FY17 FY18 FY19 FY20 FY21 FY22

Exhibit 6: Spectrum/EBITDA improving



Source: MOFSL, Company

Exhibit 7: 5G spectrum acquisition scenario

Band	INR b per MHz	МН	Iz acquired ca	ses	INF	R b for each ca	ses
		Case A	Case B	Case C	Case A	Case B	Case C
700 MHz	39.27	0	0	5	0	0	196
3300 MHz	3.17	50	100	0	159	317	0
Total					159	317	196

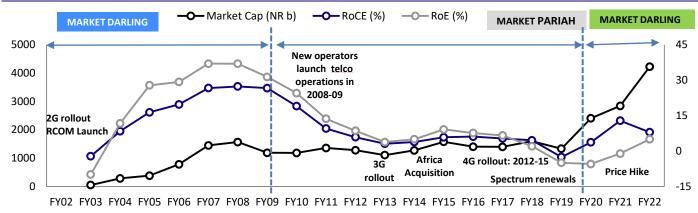
Source: MOFSL, Company

Source: MOFSL, Company

Exhibit 8: Impact of 5G annual instalment on FY23E OCF

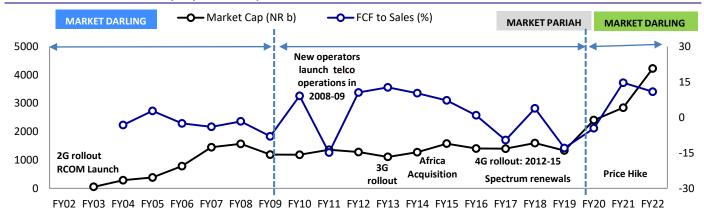
Annual instalment calculation (INR b)	Case A	Case B	Case C
Amount for each cases	159	317	196
Annual instalment	14	28	18
OCF for FY23E	655	655	655
Instalment/OCF	2%	4%	3%
Term (years)			20
Interest rate %			7.20%

Exhibit 9: Correlation of company market cap with RoCE/RoE



Source: MOFSL, Company

Exhibit 10: Correlation of company market cap with FCF/sales



Source: MOFSL, Company

Exhibit 11: Bharti's FY24E-based SOTP

	EBITDA (INR b)	Pro Ownership	oportionate EBITDA (INR b)	EV/EBITDA	Fair Value (INR b)	Value/ Share
India SA business (excl. towers)	579	100%	579	11	6,131	1042
Tower business (15% discount to fair value)		41.7%			243	41
Africa business	217	55.2%	120	5	599	102
Less: net debt					1618	275
Total Value					5354	910
Shares o/s (b)	5.9					
СМР						681
Upside (%)						34

Source: MOFSL, Company

28 June 2022

Financials and Valuation

Consolidated - Income Statement								(INR b)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Total Income from Operations	955	826	808	869	1,006	1,165	1,350	1,507
Change (%)	-1.1	-13.4	-2.2	7.6	15.7	15.8	15.8	11.6
Total Expenditure	601	526	550	509	552	590	655	711
% of Sales	63.0	63.6	68.1	58.6	54.9	50.6	48.5	47.2
EBITDA	353	301	258	360	454	575	695	796
Margin (%)	37.0	36.4	31.9	41.4	45.1	49.4	51.5	52.8
Depreciation	198	192	213	276	294	331	366	395
EBIT	156	108	44	85	160	244	329	401
Int. and Finance Charges	77	81	96	135	151	166	154	137
Other Income	10	13	5	16	6	30	46	47
PBT bef. EO Exp.	89	41	-47	-34	14	108	221	312
EO Items	-12	-8	29	-402	-159	17	0	0
PBT after EO Exp.	77	33	-17	-437	-145	125	221	312
Total Tax	35	11	-34	-123	89	42	89	125
Tax Rate (%)	45.1	33.2	197.4	28.2	-61.7	33.5	40.0	40.0
Profit from discontinued operations	0.0	0.0	0.0	7.1	110.6	0.0	0.0	0.0
Minority Interest	4	11	13	15	27	41	64	90
Reported PAT	38	11	4	-322	-151	43	69	98
Adjusted PAT	44	14	-35	-41	-7	31	69	98
Change (%)	-9.5	-68.6	-350.3	16.6	-82.3	-534.2	121.6	40.9
Margin (%)	4.7	1.7	-4.3	-4.7	-0.7	2.7	5.1	6.5
Consultational Paleons Charact								(INID I-)
Consolidated - Balance Sheet Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	(INR b) FY24E
·	20	20	20	27	27	28	29	29
Equity Share Capital	655	675	694	744	562	638	863	960
Total Reserves Net Worth	675	695	714	771	590	666	892	990
	69	88	135	250	223	254	317	407
Minority Interest Total Loans								
Lease liabilities	1,073 0	1,113 0	1,254 0	1,176 306	1,628 0	1,697	1,285 0	1,186
Deferred Tax Liabilities	-17	-22	-83	-263	-222	-217	-217	-217
Capital Employed	1,799	1,875	2,021	-203 2,241				
Net Fixed Assets					2,218	2,399	2,278	2,366
Goodwill on Consolidation	1,891	1,589 328	1,684	1,690	2,292	2,500	2,384	2,241
	0	52	333 88	346 40	0	0	0	0
Capital WIP		0		259		0		0
Right of use assets	0		0		0		0	
Total Investments Curr. Assets, Loans&Adv.	182 234	180	176	278	329	359	359	359
•		327	382	724	617	561	582	874
Inventory	0	1	1	2	0	0	0	2
Account Receivables	47	59	43	46	36	41	41	50
Cash and Bank Balance	13	48	62	136	81	61	67	336
Loans and Advances	173	219	276	541	500	459	473	486
Curr. Liability & Prov.	507	602 577	641	1,097	1,020	1,020	1,046	1,108
A annual Davables		5//	621	621	1,020	1,020	1,046	1,108
Account Payables	497					_		-
Provisions	10	25	20	476	0	0	0	0
·						0 -460 2,399	0 - 464 2,278	0 - 234 2,366

Financials and Valuation

Ratios								
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Basic (INR)		_		_				
EPS	11.1	3.5	-8.7	-7.5	-1.3	5.6	12.4	17.5
Cash EPS	60.6	51.6	44.7	43.1	52.2	64.8	77.9	88.0
BV/Share	168.8	173.9	178.7	141.4	107.3	119.1	159.6	177.1
DPS	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Payout (%)	12.7	43.8	0.0	0.0	0.0	0.0	0.0	0.0
Valuation (x)								
P/E	62.6	199.3	-79.6	-93.2	-531.1	124.5	56.2	39.9
Cash P/E	11.5	13.5	15.6	16.2	13.3	10.7	8.9	7.9
P/BV	4.1	4.0	3.9	4.9	6.5	5.8	4.4	3.9
EV/Sales	4.0	4.7	4.9	5.9	5.3	4.7	3.8	3.1
EV/EBITDA	10.9	12.8	15.4	14.3	11.8	9.6	7.4	6.0
Dividend Yield (%)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
FCF per share	-22.9	7.8	-26.2	-7.3	26.9	22.6	72.5	90.3
Return Ratios (%)	-		-					
RoE	6.6	2.0	-5.0	-5.5	-1.1	5.0	8.9	10.4
RoCE	5.3	4.6	-2.5	3.7	12.8	8.0	9.9	12.4
RoIC	5.4	4.5	-2.6	3.5	14.4	8.6	10.3	13.7
Working Capital Ratios								
Fixed Asset Turnover (x)	0.5	0.5	0.5	0.5	0.4	0.5	0.6	0.7
Asset Turnover (x)	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.6
Inventory (Days)	0	0	0	1	0	0	0	0
Debtor (Days)	18	26	19	19	13	13	11	12
Creditor (Days)	190	255	281	261	370	320	283	268
Leverage Ratio (x)								
Current Ratio	0.5	0.5	0.6	0.7	0.6	0.5	0.6	0.8
Interest Cover Ratio	2.0	1.3	0.5	0.6	1.1	1.5	2.1	2.9
Net Debt/Equity	1.3	1.3	1.4	1.5	2.5	2.3	1.3	0.8
Consolidated - Cash Flow Statement								/INID Is
								(INR b)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
	FY17 77	FY18 33	FY19 -17	FY20 -428	FY21 -31	FY22 125	FY23E 221	
Y/E March								FY24E
Y/E March OP/(Loss) before Tax	77	33	-17	-428	-31	125	221	FY24E 312
Y/E March OP/(Loss) before Tax Depreciation	77 198	33 192	-17 213	-428 277	-31 297	125 331	221 366	FY24E 312 395
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges	77 198 95	33 192 93	-17 213 110	-428 277 137	-31 297 149	125 331 165	221 366 154	FY24E 312 395 137
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid	77 198 95 -32	33 192 93 -14	-17 213 110 -12	-428 277 137 -23	-31 297 149 -22	125 331 165 -22	221 366 154 -89	FY24E 312 395 137 -125
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others	77 198 95 -32 -27	33 192 93 -14 6	-17 213 110 -12 -55	-428 277 137 -23 -166 -203 384	-31 297 149 -22 30	125 331 165 -22 -14	221 366 154 -89 2	FY24E 312 395 137 -125 38
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations	77 198 95 -32 -27 311	33 192 93 -14 6 311	-17 213 110 -12 -55 239	-428 277 137 -23 -166 -203	-31 297 149 -22 30 423	125 331 165 -22 -14 585	221 366 154 -89 2 655	FY24E 312 395 137 -125 38 756
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others	77 198 95 -32 -27 311 -19	33 192 93 -14 6 311 -12	-17 213 110 -12 -55 239 -39	-428 277 137 -23 -166 -203 384	-31 297 149 -22 30 423 59	125 331 165 -22 -14 585 -35	221 366 154 -89 2 655	FY24E 312 395 137 -125 38 756 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO	77 198 95 -32 -27 311 -19	33 192 93 -14 6 311 -12 299	-17 213 110 -12 -55 239 -39 201	-428 277 137 -23 -166 -203 384 181	-31 297 149 -22 30 423 59 482	125 331 165 -22 -14 585 -35 550	221 366 154 -89 2 655 0	FY24E 312 395 137 -125 38 756 0 756
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments	77 198 95 -32 -27 311 -19 292	33 192 93 -14 6 311 -12 299 -267	-17 213 110 -12 -55 239 -39 201 -305	-428 277 137 -23 -166 -203 384 181 -221	-31 297 149 -22 30 423 59 482 -334	125 331 165 -22 -14 585 -35 550 -424	221 366 154 -89 2 655 0 655 -250	FY24E 312 395 137 -125 38 756 0 756 -252
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others	77 198 95 -32 -27 311 -19 292 -384 -92	33 192 93 -14 6 311 -12 299 -267 31	-17 213 110 -12 -55 239 -39 201 -305 -105	-428 277 137 -23 -166 -203 384 181 -221 -40	-31 297 149 -22 30 423 59 482 -334 148	125 331 165 -22 -14 585 -35 550 -424 127	221 366 154 -89 2 655 0 655 -250 405	FY24E 312 395 137 -125 38 756 0 756 -252 505
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments	77 198 95 -32 -27 311 -19 292 -384 -92	33 192 93 -14 6 311 -12 299 -267 31 -33	-17 213 110 -12 -55 239 -39 201 -305 -105	-428 277 137 -23 -166 -203 384 181 -221 -40 -88	-31 297 149 -22 30 423 59 482 -334 148 38	125 331 165 -22 -14 585 -35 550 -424 127 -5	221 366 154 -89 2 655 0 655 -250 405 9	756 -252 505 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others	77 198 95 -32 -27 311 -19 292 -384 -92 -1	33 192 93 -14 6 311 -12 299 -267 31 -33 40	-17 213 110 -12 -55 239 -39 201 -305 -105 1	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5	-31 297 149 -22 30 423 59 482 -334 148 38 27	125 331 165 -22 -14 585 -35 550 -424 127 -5	221 366 154 -89 2 655 0 655 -250 405 9	756 -252 505 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269	125 331 165 -22 -14 585 -35 550 -424 127 -5 10	221 366 154 -89 2 655 0 655 -250 405 9 0	756 -252 -252 -252
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156	756 -252 0 0 -252
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411	756 -252 0 -99
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 0 -252 0 -99 -137
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154	756 -252 505 0 -252 0 -99 -137
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59 -9	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33 56	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47 13	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18 37	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27 -40	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14 -257	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154 0 1	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 0 -252 0 -99 -137 0 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59 -9	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33 56 19	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47 13 95	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18 37 191	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27 -40 -249	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14 -257 -148	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154 0 1	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 0 -252 0 -99 -137 0 0 -236
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59 -9 53 -4 -28	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33 56 19 58	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47 13 95 10 41 54	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18 37 191 68	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27 -40 -249 -36	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14 -257 -148 -17	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154 0 1 -407 6	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 0 -252 0 -99 -137 0 0 -236 269
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash Opening Balance	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59 -9 53 -4 -28 18	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33 56 19 58 -10	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47 13 95 10 41	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18 37 191 68 54	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27 -40 -249 -36 131	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14 -257 -148 -17 91	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154 0 1 -407 6	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 0 -252 0 -99 -137 0 0 -236 269 80
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of Shares Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash Opening Balance Closing Balance	77 198 95 -32 -27 311 -19 292 -384 -92 -1 69 -316 1 9 -59 -9 53 -4 -28 18 -10	33 192 93 -14 6 311 -12 299 -267 31 -33 40 -260 0 40 -44 -33 56 19 58 -10 41	-17 213 110 -12 -55 239 -39 201 -305 -105 1 19 -285 99 106 -76 -47 13 95 10 41 54	-428 277 137 -23 -166 -203 384 181 -221 -40 -88 5 -305 462 -180 -110 -18 37 191 68 54 131	-31 297 149 -22 30 423 59 482 -334 148 38 27 -269 7 -118 -71 -27 -40 -249 -36 131 91	125 331 165 -22 -14 585 -35 550 -424 127 -5 10 -419 10 -19 132 -14 -257 -148 -17 91 74	221 366 154 -89 2 655 0 655 -250 405 9 0 -241 156 -411 -154 0 1 -407 6 74 80	FY24E 312 395 137 -125 38 756 0 756 -252 505 0 -252 0 -99 -137 0 -236 269 80 349

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 www.nseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

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

For Hong Kong:

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

For U.S.

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

28 June 2022

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 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.