Bharti Airtel (BHAAIR)

CMP: ₹ 590 Target: ₹ 700 (19%)

Target Period: 12 months

Research

May 20, 2020

Another strong show led by India wireless!

Bharti Airtel's Q4FY20 performance was strong on the operating front. Key highlight was robust 12.5 million (mn) 4G subscribers net adds in the quarter coupled with tariff hike pass through that led to strong 14.3% QoQ growth in ARPU at ₹ 154. Consolidated revenue was at ₹ 23722.7 crore, up 8.1% QoQ driven by 16% QoQ growth in Indian wireless revenues at ₹ 12,953 crore while Africa revenues were up 3.5% QoQ at ₹ 6488.8 crore. Consolidated EBITDA margins were at 42.9% (up 70 bps QoQ). The margin expansion was led by Indian margin, up 150 bps QoQ at 42.7%, with Indian wireless margins at 39.2%, up 330 bps QoQ, largely a function of tariff hike.

India wireless business – reflecting sustained strength

Q4FY20 was the fifth consecutive quarter of India wireless revenues growth. India's wireless revenue came in at ₹ 12953 crore (up 16% QoQ), with ARPU of ₹ 154, up 14.3% QoQ. Superior pass through of tariff hike vis-à-vis peer clearly reflects superior customer quality and revenue market share gain. The company reported a net subscriber addition of 0.6 mn subscribers QoQ and a strong 12.5 million (mn) 4G subscribers net adds during the quarter. The company, notwithstanding the recent tariff hike, hopes for near term ARPU of ₹ 200 and medium to long term ARPU of ₹ 300, in order to make decent RoCE. It indicated it would continue to drive ARPU growth ahead through natural upgrade to 4G and acceleration to post-paid (through Airtel Thanks). We expect monthly ARPU to reach ₹ 184 in FY22 vs. current levels of ₹ 154 currently, as we do not bake in any step up tariff hike.

AGR issue unresolved but company well-funded to tide over it

We note that the Supreme Court has ordered that no exercise of self-assessment/reassessment is to be done and dues that were placed before the court have to be paid, including interest and penalty. The company has already paid ₹ 17,749 crore and is awaiting a DoT plea of staggered payment that will be heard at the next hearing (delayed owing to Covid-19). Most importantly, while there is uncertainty on the AGR issue, fund raising has ensured it would be able to serve the same, even in full demand.

Valuation & Outlook

Bharti Airtel continues to report a gain in revenue market share with stable KPI across and also enjoys a comfortable leverage vis-à-vis peers. We note that while the AGR issue is *sub-judice*, fund raising has ensured it would be able to serve the same. With a resilient performance amid challenging times, Airtel is one the better placed telecom players. We maintain our **BUY** rating on the stock with a DCF based target price of ₹ 700/share. The target price increase is expected to be largely led by superior medium term growth over the next three to four years, driven by a favourable industry structure.





BUY

Particulars	
Particulars	Amount
Market Capitalisation (₹ Crore)	321,717
Total Debt (₹ Crore)	148,228
Cash & Inv (₹ Crore)	29,061
EV (₹ Crore)	440,884
52 week H/L	603/ 322
Equity capital	2,727.8
Face value	5.0

Key Highlights

- Key highlight was robust 12.5 million (mn) 4G subscribers net adds during the quarter coupled with tariff hike pass through leading to 14.3% QoQ growth in ARPU at ₹ 154
- Maintain our BUY rating with revised DCF based target price of ₹ 700/share



Research Analyst

Bhupendra Tiwary, CFA bhupendra.tiwary@icicisecurities.com

Key Financial Summary						
(Year-end March)	FY18	FY19	FY20E	FY21E	FY22E	CAGR (FY19-22E)
Net Sales (₹ crore)	83,687.9	80,780.2	87,533.7	102,645.6	112,436.5	13.3
EBITDA (₹ crore)	30,065.0	25,629.5	36,485.6	47,058.5	53,859.9	21.5
Net Profit (₹ crore)	1,099.0	409.5	(32,188.6)	4,009.6	7,524.1	NA
EPS (₹)	2.7	1.0	NA	7.3	13.8	
P/E (x)	214.5	575.6	NA	80.2	42.8	
Price / Book (x)	3.4	3.3	4.2	4.2	3.8	
EV/EBITDA (x)	14.0	16.9	12.1	9.0	7.6	
RoCE (%)	5.6	2.1	3.5	7.1	9.0	
RoE (%)	2.7	(3.5)	(4.7)	5.2	9.0	

Exhibit 1: Variance	Analysis						
	Q4FY20	Q4FY20E	Q4FY19	Q3FY20	YoY (%)	QoQ (%)	Comments
Revenue	23,722.7	22,716.9	20,602.2	21,947.1	15.1	8.1	Revenue beat led by superior Indian wireless revenues driven by strong ARPU growth of $\sim 14\%~\Omega o \Omega$
Employee Expenses	1,031.6	964.1	942.9	965.1	9.4	6.9	
Marketing Expenses	2,477.3	2,218.4	2,901.6	2,324.2	-14.6	6.6	
Access Charges	2,827.0	2,710.2	2,441.0	2,710.9	15.8	4.3	
Network Operating	5,201.5	4,965.7	5,962.2	4,934.5	-12.8	5.4	
License Fee	2,020.1	1,862.3	1,728.8	1,766.6	16.8	14.3	
EBITDA	10,165.2	9,896.2	6,625.7	9,245.8	53.4	9.9	
EBITDA Margin (%)	42.9	43.6	32.2	42.1	1069 bps	72 bps	Margin expansion driven by Indian wireless business
Depreciation	7,055.0	7,054.8	5,493.4	6,940.8	28.4	1.6	***************************************
Interest	3,307.6	3,137.2	2,532.3	2,984.6	30.6	10.8	
Exceptional Items	7,004.0	0.0	-2,022.1	1,050.0	-446.4	567.0	
Total Tax	-2,033.5	-200.0	137.4	-1,037.9	-1,580.0	95.9	
PAT	-5,237.0	-425.7	107.2	-1,035.3	-4,985.3	405.8	
Subscribers (Mn)	283.7	280.2	282.6	283.0	0.4	0.2	
ARPU	154	148	123	135	25.2	14.3	

		FY21E			FY22E						
(₹ Crore)	Old	New	% Change	Old	New	% Change			Comments		
Revenue	101,020	102,646	1.6	111282	112,437	1.0	Realign numbers	our	estimates	post	FY20
EBITDA	46,831	47,058	0.5	53868	53,860	0.0					
EBITDA Margin (%)	46.4	45.8	-55 bps	48.4	47.9	-50 bps					
PAT	4,522	4,010	-11.3	8568	7,524	-12.2	Realign i	ntere	st and depre	ciation	costs
EPS (₹)	8.3	7.3	-11.3	15.7	13.8	-12.2					

Source: Company, ICICI Direct Research

Exhibit 3: Key Assun	nptions							
			Current			Earlier		
	FY18	FY19E	FY20	FY21E	FY22E	FY21E	FY22E	
India								
Wireless Subs (Mn)	304.2	282.6	283.7	298.1	310.2	294.5	306.4	
arpu	132	113	135	171	184	172	188	
Total Minutes (Bn)	1,946	2,811	3,035	3,329	3,482	3,104	3,247	
MOU (mins)	561	798	893	954	954	900	901	
Africa								
Subscriber base	89.3	98.9	110.6	116.2	123.4	113.2	120.1	
ARPU (\$)	3.1	2.9	2.8	2.8	2.8	2.8	2.8	
Total Minutes	162.0	207.3	250.1	302.8	360.9	281.7	308.3	
MoU	159.5	183.7	199.0	222.5	251.0	212.6	220.3	

Business Highlights (India)

- Overall revenues & EBITDA: India revenues were up 10.4% QoQ at ₹ 17438.3 crore. Overall Indian margin was up 150 bps QoQ at 42.7%. The company has guided that incremental EBITDA margins would be 60-70%
- Wireless revenues & EBITDA: Indian wireless revenues were up 16% QoQ at ₹ 12,953 crore, driven by strong ARPU growth of 14.3% at ₹ 154. The growth was largely a function of pass through of tariff hike done in December, 2019 as well as strong addition of 4G data customers that have higher ARPU. The company also indicated that but for Covid impact in the last 10 days in Q4, revenues would have been higher
- Subscriber base and addition: Overall subscriber (sub) base saw net addition of 0.6 mn QoQ at 283.7 mn. Churn rate was steady QoQ at 2.6%. Key positive highlight in the wireless business was healthy 4G net adds of ~12.5 mn during the quarter, with 4G data sub base at 136.3 mn (overall data base of 148.6 mn). The company indicated that 2G to 4G conversion will continue to drive sub addition traction
- Minutes and data usage: Data usage/customer was up 7.5% QoQ to 14.6 GB. Minutes of usage (MOU) per subscriber was at 965 minutes, up 7.5% QoQ. The total minutes on network was up 8.3% QoQ to 821.9 billion (bn) minutes
- Non-wireless: On the India non-wireless front, home services (broadband) revenues were up 3.2% QoQ at ₹ 572.5 crore while Airtel business (enterprise) revenues were up 1.8% QoQ at ₹ 3376.2 crore. DTH reported revenues, however, witnessed a steep decline of 23.8% QoQ at ₹ 603.5 crore, largely due to revenue recognition policy change with core revenue growth of 1.3% QoQ
- Network capacity and capex: The company has maintained continued access expansion in the form of sites additions (~4500 sites) and mobile broadband BTS additions (30000+ addition in Q4). Given the higher traction in data subs as well as data demand, the company pulled forward some capex during the quarter. For Q3, India mobile capex was at ₹ 6969 crore (vs. ₹ 2542 crore in Q3) with overall India capex of ₹ 9521 crore (vs. ₹ 4082 crore in Q3). For FY20, India mobile capex was at ₹ 15145 crore (vs. ₹ 20012 crore in FY19) with overall India capex of ₹ 20672 crore (vs. ₹ 24187 crore in FY19)

Business highlights (Africa)

- Africa revenues improved 2.9% QoQ to US\$922 million (mn) (constant currency driven by Nigeria, with EBITDA margins of 44.1% (down 100 bps QoQ) largely owing to higher sales and marketing expenses sequentially. In rupee terms, Africa revenues were up 3.5% QoQ at ₹ 6488.8 crore
- There was a one-time US\$75 million forex loss on account of devaluation on foreign exchange denominated liabilities as a result of the devaluation of Nigerian naira, Kenyan and Ugandan shilling and Zambian kwacha
- Subscriber base was up 3.2% QoQ at 110.6 mn with ARPU at US\$2.8, down 0.8% QoQ. Data subs base was up 7.8% QoQ at 35 mn while data usage was up 15.4% QoQ at 219 bn MB. Data usage per subscriber was at 2.1 GB per month, up 9.0% QoQ
- In constant currency, Nigeria reported 7.3% QoQ growth to US\$383 mn while EBITDA margins were up 80 bps QoQ at 55.5%

- In constant currency, East Africa reported 0.6% QoQ growth to US\$279 mn while EBITDA margins were down 10 bps at 40.5%
- In constant currency, Rest of Africa reported 0.9% QoQ revenue decline at US\$220 mn while EBITDA margins were at 32.6%
- Airtel Money reported 2.4% QoQ revenue growth at US\$86 mn while EBITDA margins were at 47.2%
- Africa net debt (including lease obligations) was at US\$3.25 bn.
 Capex was ~US\$240 mn
- Operating free cash flow for Q3FY20 was at US\$125 million

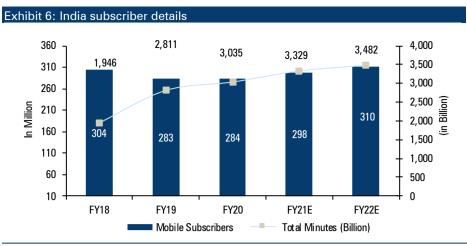
Other Highlights

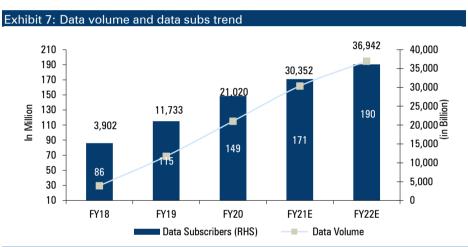
- Covd-19 impact (so far): The company termed the Covid-19 as mixed bag event with implications such as
 - Significant surge in demand for home broadband
 - Significant increase in B2B business
 - Growth in new segments (through collaboration/video conferencing)
 - Resilient 4G customers base
 - o New device addition have been very low due to lockdown
 - Significant pressure on low end subs
- Digital: To scale up its digital platforms business, Airtel has been betting on four pillars: data, distribution, payments and network. The company has over 150 million monthly active users across its digital assets viz Airtel Thanks, Wynk and X Stream. Furthermore, over 1.1 million retailers transact and make payments daily on its Mitra App. Airtel has been partnering with several companies and is also doing pilots for several services to develop new streams of revenues and drive efficiencies. The company also alluded to strong partnerships in the work from home area, cyber security services, in IoT and in delivering cloud services through key global players such as Cisco, Zoom, Symantec, Palo Alto Networks, Google, Microsoft, Amazon, etc.
- Home broadband demand: The company added ~63k broadband subs during the quarter. Airtel indicated that India is an underserved market with home broadband demand being expedited during lockdown. They have scope to expand beyond the top 10 cities and are partnering with local cable operators. The home pass addition has stepped up and cost per home pass has gone down significantly
- Spectrum Holdings: While the company is comfortable with existing spectrum footprints, they have refarmed 25 MHz of 3G spectrum for 4G. They also seek to fill the gap in the challengers markets of Kerala, UP West, Haryana through sub-giga hertz spectrum
- AGR case: Based on self-assessment, the company has made payments aggregating ₹ 12749 crore to DoT with an additional ₹ 5000 crore as a deposit (subject to subsequent refund/ adjustment) to cover differences resulting from re-verification /reconciliation by DoT. They also said that DoT had filed an application with respect to giving reasonable time to the affected parties (a period of 20 years with 8% interest). However, the Supreme Court ordered that no exercise of self-assessment/reassessment is to be done. The dues that were placed before the court have to be paid, including interest and penalty. However, DoT's plea of staggered payment will be heard at the next hearing (delayed owing to Covid-19)

- Debt & capex: Net debt (excluding lease liability) was at ~₹ 88251 crore, with net debt to annualised reported EBITDA at 2.9x. Total capex spend for the quarter was ₹ 11,339 crore vs. ₹ 5183 crore in Q3 (FY20 capex at ₹ 25359 crore vs. ₹ 28743 crore in FY19). The company indicated that while they would continue to invest in networks, capex intensity will go down and FY21 capex will be lower than FY20
- Fund raise: During Q4, the company successfully raised ₹ 21,502 crore of additional long term financing through a combination of ₹ 14400 crore in the form of QIP of equity shares (~32.36 crore equity shares of face value ₹ 5 each were issued and allotted at a price of ₹ 445 per equity share) and ₹ 7102 crore in the form of 1.50% FCCB offerings (issued at par and repayable in 2025 at 102.66% of their outstanding principal amount)
- Dividends: The board has recommend a dividend of ₹ 2 per share for FY20, largely a pass through of dividends received from Infratel
- Exceptional items: Overall exceptional charge of ₹ 7004 crore, was mainly on account of one time spectrum charge related matter of ₹ 5642 crore and interest on the provision of license fee and spectrum usage charges of ₹ 871 crore, among others

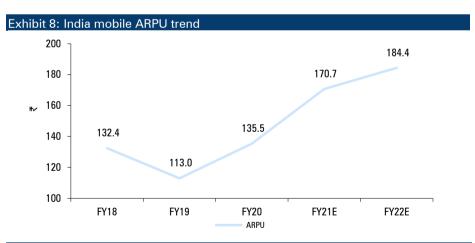
Exhibit 4: Segmental reve	nues				
₹ crore	FY18	FY19	FY20	FY21E	FY22E
India	70,898	67,256	71,111	85,216	94,623
Mobility	46,264	41,554	45,966	58,940	66,654
Broadband	2,526	2,239	2,245	2,593	2,903
Enterprise	11,322	12,454	13,233	14,124	15,168
Passive Infrastructure	6,628	6,819	6,742	7,033	7,206
Digital + Others	4,158	4,190	2,924	2,526	2,692
Africa	20,156	22,346	24,217	27,366	28,898
South Asia	405	444	455	460	460
Total Gross Revenue	91,459	90,046	95,783	113,042	123,980
Intersegmental Elimination	-7,572	-7,978	-7,789	-10,396	-11,544
Net Revenue	83,688	81,624	87,539	102,646	112,437

Exhibit 5: Segmental EBIT	DA				
₹ crore	FY18	FY19	FY20	FY21E	FY22E
India & South Asia	23,798	17,936	26,376	35,154	41,202
Africa	6,653	8,363	10,726	12,128	12,774
Gross EBITDA	30,451	26,300	37,102	47,282	53,976
Intersegmental Elimination	386	670	617	223	116
Reported EBITDA	30065	25630	36486	47058	53860





Source: Company, ICICI Direct Research



Financial summary

Exhibit 9: Profit and lo	ss statem	ent		₹ crore
(Year-end March)	FY19	FY20	FY21E	FY22E
Total operating Income	80,780.2	87,533.7	102,645.6	112,436.5
Growth (%)	-3.5	8.4	17.3	9.5
Employee Expenses	3,797.5	3,807.2	4,172.6	4,451.9
Marketing Expenses	12,668.5	9,544.7	10,222.6	11,044.2
Access Charges	9,352.1	10,739.5	11,052.0	11,445.5
Network Operating	22,390.0	19,700.6	21,368.0	22,017.9
License Fee	6,942.6	7,256.1	8,772.0	9,617.1
Other Costs	0.0	0.0	0.0	0.0
Total Operating Expenditure	55,150.7	51,048.1	55,587.2	58,576.6
EBITDA	25,629.5	36,485.6	47,058.5	53,859.9
Growth (%)	-14.8	42.4	29.0	14.5
Depreciation	21,347.5	27,689.6	29,869.9	33,168.8
Interest	9,589.4	12,382.0	12,679.0	11,536.0
Other Income	291.2	316.2	400.0	500.0
Exceptional Items	(2,928.8)	40,234.4	-	-
PBT	-2,087.4	-43,504.2	4,909.6	9,655.1
MI / Profit from associates	922.4	866.7	200.0	200.0
Total Tax	-3,419.3	-12,182.3	700.0	1,931.0
PAT	409.5	-32,188.6	4,009.6	7,524.1
Growth (%)	-62.7	NA	NA	NA
EPS (₹)	1.0	-59.0	7.3	13.8

Source: Company, ICICI Direct Research

Exhibit 10: Cash flow	statement			₹ crore
(Year-end March)	FY19	FY20	FY21E	FY22E
Profit after Tax	409.5	-32,188.6	4,009.6	7,524.1
Add: Depreciation	21,347.5	27,689.6	29,869.9	33,168.8
Add: Interest Paid	9,589.4	12,382.0	12,679.0	11,536.0
(Inc)/dec in Current Assets	1,635.6	(26,805.6)	(8,111.1)	(5,255.1)
Inc/(dec) in CL and Prov	3,025.6	43,834.5	17,232.0	11,056.8
Others	0.0	0.0	0.0	0.0
CF from op activities	36,007.6	24,911.9	55,679.3	58,030.6
(Inc)/dec in Investments	2,271.4	-9,833.6	0.0	0.0
(Inc)/dec in Fixed Assets	-34,863.6	-50,761.7	-22,000.0	-22,000.0
Others	-6,082.2	-4,858.4	336.1	-7,915.5
CF from invactivities	-38,674.4	-65,453.7	-21,663.9	-29,915.5
Issue/(Buy back) of Equity	0.0	729.1	0.0	0.0
Inc/(dec) in loan funds	14,094.8	22,799.8	-14,700.0	-10,700.0
Dividend paid & dividend tax	0.0	-1,276.6	0.0	0.0
Interest Paid	9,589.4	12,382.0	12,679.0	11,536.0
Others	-17,700.6	13,694.7	-30,100.7	-23,072.1
CF from fin activities	5,983.6	48,329.0	-32,121.7	-22,236.0
Net Cash flow	3,316.8	7,787.2	1,893.8	5,879.1
Opening Cash	4,788.6	8,105.5	15,892.7	17,786.5
Closing Cash	8,105.5	15,892.7	17,786.5	23,665.5

Source: Company, ICICI Direct Research

Exhibit 11: Balance	sheet			₹ crore
(Year-end March)	FY19	FY20	FY21E	FY22E
Liabilities				
Equity Capital	1,998.7	2,727.8	2,727.8	2,727.8
Reserve and Surplus	69,423.5	74,417.0	73,683.9	81,208.0
Total Shareholders funds	71,422.2	77,144.8	76,411.7	83,935.8
Total Debt	125,428.3	148,228.1	133,528.1	122,828.1
Deferred Tax Liability	1,129.7	1,687.7	1,687.7	1,687.7
Others	22,345.3	35,011.9	35,348.0	27,432.5
Total Liabilities	220,325.5	262,072.5	246,975.5	235,884.1
Assets				
Gross Block	379,841.0	430,602.7	452,604.7	474,604.7
Less: Acc Depreciation	169,375.3	197,064.9	226,934.8	260,103.6
Net Block	210,465.7	233,537.8	225,669.9	214,501.1
Investments	17,989.4	27,823.0	27,823.0	27,823.0
Inventory	88.4	0.0	0.0	0.0
Debtors	4,300.6	4,605.8	5,401.0	5,916.1
Loans and Advances	13,711.1	21,045.3	24,678.6	27,032.6
Other Current Assets	2,076.9	21,331.5	25,014.2	27,400.2
Cash	8,105.5	15,892.7	17,786.5	23,665.5
Total Current Assets	28,282.5	62,875.3	72,880.2	84,014.4
Creditors	28,003.1	25,019.9	29,528.2	32,344.8
Provisions	219.7	0.0	0.0	0.0
Other Current Liabilities	26,651.2	73,688.6	86,412.3	94,652.6
Total Current Liabilities	54,874.0	98,708.5	115,940.5	126,997.3
Net Current Assets	-26,591.5	-35,833.2	-43,060.3	-42,982.9
Others Assets	18,459.9	36,542.9	36,542.9	36,542.9
Application of Funds	220,323.5	262,072.5	246,975.5	235,884.1

Source: Company, ICICI Direct Research

Exhibit 12: Key ratios				₹ crore
(Year-end March)	FY19	FY20	FY21E	FY22E
Per share data (₹)				
EPS	1.0	-59.0	7.3	13.8
Cash EPS	54.4	-8.2	62.1	74.6
BV	178.7	141.4	140.1	153.9
DPS	0.0	2.3	0.0	0.0
Cash Per Share	20.3	29.1	32.6	43.4
Operating Ratios				
EBITDA Margin (%)	31.7	41.7	45.8	47.9
EBIT Margin (%)	5.3	10.0	16.7	18.4
PAT Margin (%)	-3.1	-4.1	3.9	6.7
Inventory days	0.4	0.0	0.0	0.0
Debtor days	19.4	19.2	19.2	19.2
Creditor days	126.5	104.3	105.0	105.0
Return Ratios (%)				
RoE	-3.5	-4.7	5.2	9.0
RoCE	2.1	3.5	7.1	9.0
RoIC	2.3	4.5	9.6	12.8
Valuation Ratios (x)				
P/E	575.6	NA	80.2	42.8
EV / EBITDA	16.9	12.1	9.0	7.6
EV / Net Sales	5.4	5.0	4.1	3.6
Market Cap / Sales	4.0	3.7	3.1	2.9
Price to Book Value	3.3	4.2	4.2	3.8
Solvency Ratios				
Debt/EBITDA	4.9	4.1	2.8	2.3
Debt / Equity	1.8	1.9	1.7	1.5
Current Ratio	0.4	0.5	0.5	0.5
Quick Ratio	0.4	0.5	0.5	0.5

Exhibit 13:	ICICI	Direc	t Cove	rage Ur	nivers	e (Tele	com)												
Sector /	CMP	TP (₹)	Rating	M Cap	Cap EPS (₹)			P/E (x) EV/EBITD			//EBITDA (x)			RoCE (%)			RoE (%)		
Company	(₹)	IF (\)	natiliy	(₹ Cr)	FY19	FY20E	FY21E	FY19	FY20E	FY21E	FY19	FY20E	FY21E	FY19	FY20E	FY21E	FY19	FY20E	FY21E
Bharti Airtel	590	700	Buy	321,880	1.0	-59.0	7.3	575.9	NM	80.3	17.0	12.1	9.0	2.1	3.5	7.1	-3.5	-4.7	5.2
Bharti Infratel	198	175	Hold	28,114	13.5	17.8	16.3	14.7	11.1	12.2	4.6	4.7	4.5	21.2	18.1	19.4	17.2	24.4	23.3
Vodafone Idea	6	UR	UR	11,465	-5.1	-23.7	-5.4	NM	NM	NM	31.7	8.4	6.3	-5.0	-5.1	-3.3	-25.9	-120.8	-108.6
Sterlite Tech	99	95	Hold	3,975	14.0	10.8	8.5	7.1	9.2	11.6	5.1	5.6	6.0	29.7	27.8	20.9	28.7	33.0	25.1
Tata Comm	459	345	Buy	13,089	-2.9	8.1	12.2	NM	56.6	37.7	8.0	7.0	6.6	5.9	5.4	7.4	9.4	127.7	-118.8

RATING RATIONALE

ICICI Direct endeavours to provide objective opinions and recommendations. ICICI Direct assigns ratings to its stocks according to their notional target price vs. current market price and then categorizes them as Buy, Hold, Reduce and Sell. The performance horizon is two years unless specified and the notional target price is defined as the analysts' valuation for a stock

Buy: >15%

Hold: -5% to 15%;

Reduce: -15% to -5%;

Sell: <-15%



Pankaj Pandey

Head - Research

pankaj.pandey@icicisecurities.com

ICICI Direct Research Desk, ICICI Securities Limited, 1st Floor, Akruti Trade Centre, Road No 7, MIDC, Andheri (East) Mumbai – 400 093 research@icicidirect.com



ANALYST CERTIFICATION

I/We, Bhupendra Tiwary, MBA, CFA, Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. It is also confirmed that above mentioned Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months and do not serve as an officer, director or employee of the companies mentioned in the report.

Terms & conditions and other disclosures:

ICICI Securities Limited (ICICI Securities) is a full-service, integrated investment banking and is, inter alia, engaged in the business of stock brokering and distribution of financial products. ICICI Securities Limited is a SEBI registered Research Analyst with SEBI Registration Number – INH000000990. ICICI Securities Limited SEBI Registration is INZ000183631 for stock broker. ICICI Securities is a subsidiary of ICICI Bank which is India's largest private sector bank and has its various subsidiaries engaged in businesses of housing finance, asset management, life insurance, general insurance, venture capital fund management, etc. ("associates"), the details in respect of which are available on www.icicibank.com

ICICI Securities is one of the leading merchant bankers/ underwriters of securities and participate in virtually all securities trading markets in India. We and our associates might have investment banking and other business relationship with a significant percentage of companies covered by our Investment Research Department. ICICI Securities generally prohibits its analysts, persons reporting to analysts and their relatives from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover.

Recommendation in reports based on technical and derivative analysis centre on studying charts of a stock's price movement, outstanding positions, trading volume etc as opposed to focusing on a company's fundamentals and, as such, may not match with the recommendation in fundamental reports. Investors may visit icicidirect.com to view the Fundamental and Technical Research Reports.

Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein

ICICI Securities Limited has two independent equity research groups: Institutional Research and Retail Research. This report has been prepared by the Retail Research. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, target price of the Institutional Research.

The information and opinions in this report have been prepared by ICICI Securities and are subject to change without any notice. 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 of ICICI Securities. While we would endeavour to update the information herein on a reasonable basis, ICICI Securities is under no obligation to update or keep the information current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities indicate that rating on a particular security has been suspended temporarily and such suspension is in compliance with applicable regulations and/or ICICI Securities policies, in circumstances where ICICI Securities might be acting in an advisory capacity to this company, or in certain other circumstances.

This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information herein is solely for informational purpose and shall 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. Though disseminated to all the customers insultaneously, not all customers may receive this report at the same time. ICICI Securities will not treat recipients as customers by virtue of their receiving this report. 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. The recipient should independently evaluate the investment risks. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. ICICI Securities accepts no liabilities whatsoever for any loss or damage of any kind arising out of the use of this report. Past performance is not necessarily a guide to future performance. Investors are advised to see Risk Disclosure Document to understand the risks associated before investing in the securities markets. Actual results may differ materially from those set forth in projections. Forward-looking statements are not predictions and may be subject to change without notice.

ICICI Securities or its associates might have managed or co-managed public offering of securities for the subject company or might have been mandated by the subject company for any other assignment in the past twelve months.

ICICI Securities or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or comanaging public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction.

ICICI Securities encourages independence in research report preparation and strives to minimize conflict in preparation of research report. ICICI Securities or its associates or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither ICICI Securities nor Research Analysts and their relatives have any material conflict of interest at the time of publication of this report.

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

ICICI Securities or its subsidiaries collectively or Research Analysts or their relatives do not own 1% or more of the equity securities of the Company mentioned in the report as of the last day of the month preceding the publication of the research report.

Since associates of ICICI Securities are engaged in various financial service businesses, they might have financial interests or beneficial ownership in various companies including the subject company/companies mentioned in this report.

ICICI Securities may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Neither the Research Analysts nor ICICI Securities have been engaged in market making activity for the companies mentioned in the report.

We submit that no material disciplinary action has been taken on ICICI Securities by any Regulatory Authority impacting Equity Research Analysis activities.

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 ICICI Securities and affiliates 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.