Macquarie Research **Equities**





INDIA

India wireless sector

8 March 2007

BHARTI IN	c	Outperform
Stock price as of 08 Mar 07	Rs	757.50
12-month target	Rs	750.00
Upside/downside	%	-1.0
Market cap	Rs bn	1,436
30-day avg turnover	Rs m	266.7
Market cap	US\$m	32,396
Number shares on issue	m	1,896

BHARTI IN rel SENSEX performance



Source: Datastream, Macquarie Research, March 2007 (all figures in INR unless noted)

RCOM IN Outperform

Stock price as of 08 Mar 07	Rs	434.10
12-month target	Rs	500.00
Upside/downside	%	+15.2
Market cap	Rs m	887,567
30-day avg turnover	Rs m	980.9
Market cap	US\$m	20,022
Number shares on issue	m	2,045

RCOM IN rel SENSEX performance



Source: Datastream, Macquarie Research, March 2007 (all figures in INR unless noted)

Analysts

Shubham Maiumder

9122 66533049 shubham.majumder@macquarie.com Ankur Arora

9122 66533050 ankur.arora@macquarie.com

Relentless subscriber growth

Event

■ The Cellular Operators Association of India (COAI) released the GSM subscriber numbers for February 2007. GSM operators in India added 4.88m subscribers this month; this is strong growth considering that February has only 28 days. The February addition compares with 4.99m added in January, 4.64m in December 2006, 5.04m in November, 4.73m in October and 4.39m in September. The total GSM subscriber base in India now stands at 115.3m (4.4% MoM growth). The CDMA operators' association (AUSPI) has not yet released the February numbers for CDMA operators' − Reliance Communications (RCOM IN, Rs434, Outperform, TP: Rs500) and Tata Teleservices.

Impact

- Category C circles once again witnessed the highest rate of growth with subscribers growing at 6.8% MoM in February. This was followed by Category B (4.9% MoM), Category A (3.8% MoM) and Metros (3.3% MoM).
- Bharti Airtel (BHARTI IN, Rs758, Outperform) again emerged at the top with maximum net adds, of 1.71m compared with 1.76m added in January. Bharti's total subscriber base now stands at 35.4m (5.1% MoM and 92.1% YoY growth). Bharti has been witnessing a sustained increase in its market share. Bharti now commands a GSM market share of 30.7% compared with 30.5% in January and 28.3% in February 2006 (12 months ago).
- BSNL witnessed a strong month in terms of net adds after a few consecutive months of slow growth. BSNL added 1m subscribers in February compared with 0.82m in January. BSNL's subscriber base now stands at 25.4m with an all-India GSM market share of 22.1%. However, in the absence of any capacity addition, we believe BSNL's growth will slow in the coming months.
- Hutchison Essar witnessed a poor month with monthly net adds falling to 0.93m compared with 1.11m in January. Its subscriber base now stands at 25.3m (3.8% MoM and 74.4% YoY growth).
- Reliance GSM business added 0.23m subscribers in February, compared with the 0.24m added in January. Reliance's GSM subscriber base now stands at 4.11m (6.0% MoM and 128.4% YoY growth). We believe Reliance's GSM subscriber base will keep growing quickly in the coming months on the back of significant network coverage expansion in the eight GSM circles.
- Aircel's subscriber base grew 6.1% MoM to reach 5.1m in February. Aircel added 0.29m subscribers in February (same as last month) and now commands an all-India GSM market share of 4.42%.

Outlook

We maintain our Outperform rating on both Bharti and RCOM. Bharti is our top pick in the Indian telecom sector and is among our top telecom picks in Asia Pacific. We believe both Bharti and RCOM will outperform their Asia-Pacific peers and the Indian broad market in the next 12 months.

Please refer to the important disclosures on inside back cover of this document, or on our website www.macquarie.com.au/research/disclosures.

Fig 1 GSM subscriber base by operator

Operators	Feb'06	Mar'06	Apr'06	May'06	Jun'06	Jul'06	Aug'06	Sep'06	Oct'06	Nov'06	Dec'06	Jan'07	Feb'07
Aircel Cellular	2.46	2.61	2.83	3.02	3.20	3.39	3.60	3.80	4.01	4.24	4.51	4.80	5.09
Bharti Airtel	18.45	19.58	20.68	21.86	23.07	24.34	25.65	27.06	28.61	30.26	31.97	33.73	35.44
BPL (Mumbai)	1.34	1.34	1.31	1.29	1.30	1.28	1.04	1.05	1.05	1.05	1.06	1.06	1.07
BSNL	16.06	17.16	17.59	18.00	18.29	19.03	20.06	20.94	22.05	22.98	23.62	24.44	25.44
Hutchison Essar	14.53	15.36	16.06	16.77	17.54	18.40	19.38	20.36	21.27	22.27	23.31	24.41	25.34
MTNL	1.72	1.94	2.02	2.10	2.17	2.24	2.26	2.29	2.33	2.38	2.42	2.50	2.58
Reliance Telecom	1.80	1.90	2.01	2.16	2.32	2.52	2.74	2.96	3.18	3.41	3.64	3.88	4.11
Spice Comm.	1.82	1.93	1.98	2.03	2.05	2.09	2.15	2.20	2.27	2.36	2.45	2.52	2.58
Total All India	65.19	69.19	72.12	75.29	78.48	82.42	86.62	91.01	95.74	100.79	105.43	110.42	115.30

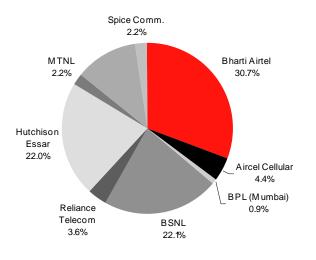
Source: COAI, Macquarie Research, March 2007

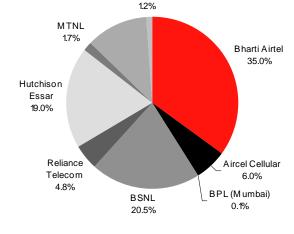
Bharti and BSNL top all-India GSM subscriber market shares

Bharti Airtel continues to be the leader in the GSM market, with GSM market share of 30.7%. Its share of net adds was higher at 35%, implying an increase in market share in February. After a few soft months in terms of net adds, BSNL registered net adds of 1m in February, maintaining its No. 2 position in the Indian GSM wireless market. Hutchison Essar witnessed a month of slow growth with net adds of 0.93m compared with 1.11m added in January. Hutchison now holds 22% share of Indian GSM market vs BSNL's 22.1%.

Fig 2 All-India GSM subscriber market share

Fig 3 All-India market share of GSM net adds





Spice Comm.

Source: Macquarie Research, March 2007

Source: Macquarie Research, March 2007

All-India GSM subscriber trends by category circles

Category B circles again saw a good month, with the addition of 1.9m subscribers in February. The growth in Category A circles was lower with net adds of 1.4m subscribers in February compared with 1.8m added in January. Category C circles witnessed the highest growth rate with MoM growth of 6.8% (albeit off a relatively smaller base) in line with our expectations. We believe Categories B and C will be the main drivers of growth over the next three years, led by both low penetration and aggressive coverage expansion by all operators in these circles.

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0.0

in million 6.0 5.0 0.7 0.6 0.8 0.5 4.0 0.4 0.3 0.6 2.0 2.0 2.0 1.9 1.6 2.0 3.0 1.2 1.6 1.9 2.0 1.0 1.0

Feb'06 Mar'06 Apr'06 May'06 Jun'06 Jul'06 Aug'06 Sep'06 Oct'06 Nov'06 Dec'06 Jan'07 Feb'07

■ Metros ■ A' Circle ■ B' Circle ■ C' Circle

Fig 4 Net adds by category circle - Circle A and Circle B continue to drive growth

Source: Macquarie Research, March 2007

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Important disclosures:

Recommendation definitions

Macquarie Australia/New Zealand

Outperform – return >5% in excess of benchmark return (>2.5% in excess for listed property trusts)
Neutral – return within 5% of benchmark return (within 2.5% for listed property trusts)
Underperform – return >5% below benchmark return (>2.5% below for listed property trusts)

Macquarie Asia

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

Macquarie First South Securities (South Africa)

Outperform – expected return >+5% Neutral – expected return from -5% to +5% Underperform – expected return <-5%

Recommendations - 12 months

Note: Quant recommendations may differ from Fundamental Analyst recommendations

Recommendation proportions

For quarter ending 31 December 2006

AU/NZ	Asia	RSA
43.12%	58.91%	42.20%
48.98%	22.92%	46.80%
11.90%	18.17%	11.00%
	43.12% 48.98%	43.12% 58.91% 48.98% 22.92%

Volatility index definition*

This is calculated from the volatility of historic price movements.

Very high-highest risk – Stock should be expected to move up or down 60–100% in a year – investors should be aware this stock is highly speculative.

High – stock should be expected to move up or down at least 40–60% in a year – investors should be aware this stock could be speculative.

Medium – stock should be expected to move up or down at least 30–40% in a year.

Low-medium – stock should be expected to move up or down at least 25–30% in a year.

Low – stock should be expected to move up or down at least 15–25% in a year.

* Applicable to Australian/NZ stocks only

Financial definitions

All "Adjusted" data items have had the following adjustments made:

Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense Excluded: non recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa*

ROA = adjusted ebit / average total assets

ROA Banks/Insurance = adjusted net profit /average total assets

ROE = adjusted net profit / average shareholders funds

Gross cashflow = adjusted net profit + depreciation *equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

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Research

Autom	ahilaa	/ ^ ^	Dorto
Automo	obiles	Auto	Parts

Kurt Sanger (Japan, Asia)	(813) 3512 7859
Deepak Jain (India)	(9122) 6653 3157
Liny Halim (Indonesia)	(6221) 515 7343
Toshisuke Hayami (Japan)	(813) 3512 7873
Eunsook Kwak (Korea)	(822) 3705 8644

Banks and Non-Bank Financials

Ismael Pili (Asia)	(65) 6231 2840
Nick Lord (Asia)	(852) 2823 4774
Christina Fok (China)	(852) 2823 3584
Chris Esson (Hong Kong)	(852) 2823 3567
Seshadri Sen (India)	(9122) 6653 3053
Liny Halim (Indonesia)	(6221) 515 7343
Kentaro Kogi (Japan)	(813) 3512 7865
Hwashin Lee (Korea)	(822) 3705 4994
Mark Barclay (Korea)	(822) 3705 8658
Young Chung Mok (Korea)	(822) 3705 8668
Chin Seng Tay (Malaysia, S'pore)	(65) 6231 2837
Gilbert Lopez (Philippines)	(632) 857 0898
Chris Hunt (Taiwan)	(8862) 2734 7526
Matthew Smith (Taiwan)	(8862) 2734 7514
Alastair Macdonald (Thailand)	(662) 694 7741

Chemicals/Textiles

Scott Weaver (China, Taiwan)	(8862) 2734 7512
Jal Irani (India)	(9122) 6653 3040
Kitti Nathisuwan (Thailand)	(662) 694 7724

Conglomerates

Gary Pinge (Asia)	(852) 2823 3557
Gilbert Lopez (Philippines)	(632) 857 0898

Consumer

Ramiz Chelat (Asia)	(852) 2823 3587
Xiaopo Wei (China)	(852) 2823 4741
Unmesh Sharma (India)	(9122) 6653 3042
Sarina Lesmina (Indonesia)	(6221) 515 7339
Duane Sandberg (Japan)	(813) 3512 7867
Christina Lee (Korea)	(822) 3705 8670
Paul Hwang (Korea)	(822) 3705 8678
Woochang Chung (Korea)	(822) 3705 8667
Edward Ong (Malaysia)	(603) 2059 8982
Nadine Javellana (Philippines)	(632) 857 0890
Chris Clayton (Thailand)	(662) 694 7829

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Saurabh Jain (India)	(9122) 6653 3046
Oliver Cox (Japan)	(813) 3512 7871
Robert Burghart (Japan)	(813) 3512 7853
Paul Hwang (Korea)	(822) 3705 8678
Woochang Chung (Korea)	(822) 3705 8667
Nadine Javellana (Philippines)	(632) 857 0890
Jeremy Chen (Taiwan)	(8862) 2734 7521
Scott Weaver (Taiwan)	(8862) 2734 7512

Insurance

Chris Esson (China, Taiwan)	(852) 2823 3567
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Media

Ramiz Chelat (Asia) (852) 2823 3587 Prem Jearajasingam (Malaysia) (603) 2059 8989

Metals and Mining

Simon Francis (Asia)	(852) 2823 3590
Felix Lam (China, HK, Taiwan)	(852) 2823 3575
Rakesh Arora (India)	(9122) 6653 3054
Adam Worthington (Indonesia)	(6221) 515 7338
Christina Lee (Korea)	(822) 3705 8670
Amornrat Cheevavichawalkul (Thai)	(662) 694 7829

Oil and Gas

David Johnson (Asia)	(852) 2823 4691
Scott Weaver (China, Taiwan)	(8862) 2734 7512
Jal Irani (India)	(9122) 6653 3040
Mark Barclay (Korea)	(822) 3705 8658
Edward Ong (Malaysia)	(603) 2059 8982
Kitti Nathisuwan (Thailand)	(662) 694 7724

Pharmaceuticals

Chabhan Majamaci (mala) (5122) 5555 5545	Shubham Majumder	(India)	(9122) 6653 3049
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Matt Nacard (Asia)	(852) 2823 4731
Eva Lee (Hong Kong, China)	(852) 2823 3573
Siddhartha Gupta (India)	(9122) 6653 3048
Takashi Sakai (Japan)	(813) 3512 7884
Gilbert Lopez (Philippines)	(632) 857 0898
Tuck Yin Soong (Singapore)	(65) 6231 2838
Corinne Jian (Taiwan)	(8862) 2734 7529
Monchai Jaturanpinyo (Thailand)	(662) 694 7727

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Warren Lau (Asia)	(852) 2823 3592
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David Gibson (Japan)	(813) 3512 7880
George Chang (Japan)	(813) 3512 7854
Yoshihiro Shimada (Japan)	(813) 3512 7862
Alex Jun (Korea)	(822) 3705 8653
Do Hoon Lee (Korea)	(822) 3705 8641
Michael Bang (Korea)	(822) 3705 8659
Patrick Yau (Singapore)	(65) 6231 2835
Cheryl Hsu (Taiwan)	(8862) 2734 7522
Daniel Chang (Taiwan)	(8862) 2734 7516
Dominic Grant (Taiwan)	(8862) 2734 7528
Jessica Chang (Taiwan)	(8862) 2734 7518
Nicholas Teo (Taiwan)	(8862) 2734 7523

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1010001110	
Tim Smart (Asia)	(852) 2823 3565
Jake Lynch (China, Hong Kong)	(852) 2823 3583
Shubham Majumder (India)	(9122) 6653 3049
Richard Moe (Indonesia)	(662) 694 7753
Nathan Ramler (Japan)	(813) 3512 7875
Joel Kim (Korea)	(822) 3705 8677
Prem Jearajasingam (Malaysia)	(603) 2059 8989
Ramakrishna Maruvada	
(Philippines, Singapore)	(65) 6231 2842
Dominic Grant (Taiwan)	(8862) 2734 7528
Richard Moe (Thailand)	(662) 694 7753

Transport & Logistics

Paul Huxford (Asia)	(65) 6231 2841
Michael Chan (Asia)	(852) 2823 3595
Anderson Chow (China, Hong Kong)	(852) 2823 4773
Eunsook Kwak (Korea)	(822) 3705 8644

Utilities

Sylvia Chan (Asia)	(852) 2823 3579
Gopal Ritolia (India)	(9122) 6653 3055
Adam Worthington (Indonesia)	(6221) 515 7338
Prem Jearaiasingam (Malaysia)	(603) 2059 8989

Commodities

Jim Lennon	(4420) 7065 2014
Adam Rowley	(4420) 7065 2013
Max Layton	(4420) 7065 2000
Bonnie Liu	(4420) 7065 2014
Henry Liu	(4420) 7065 2014

Data Services

Liz Dinh (Asia)	(852) 2823 4762
Brent Borger (Japan)	(813) 3512 7852
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Roland Randall (Asean)	(852) 2823 3572
Bill Belchere (Asia)	(852) 2823 4636
Eli Polatinsky (Asia)	(852) 2823 4074
Richard Gibbs (Australia)	(612) 8232 3935
Paul Cavey (China)	(852) 2823 3570
Pichard Jarram (Janan)	(813) 3512 7855

Quantitative

Martin Emery (Asia)	(852) 2823 3582
Viking Kwok (Asia)	(852) 2823 4735
George Platt (Australia)	(612) 8232 6539

Strategy/Country

Tim Rocks (Asia)	(852) 2823 3585
Daniel McCormack (Asia)	(852) 2823 4073
Desh Peramunetilleke (Asia)	(852) 2823 3564
Jake Lynch (China)	(852) 2823 3583
Seshadri Sen (India)	(9122) 6653 3053
Peter Eadon-Clarke (Japan)	(813) 3512 7850
Eugene Ha (Korea)	(822) 3705 8643
Uday Jayaram (Malaysia)	(603) 2059 8988
Gilbert Lopez (Philippines)	(632) 857 0898
Tuck Yin Soong (Singapore)	(65) 6231 2838
Chris Hunt (Taiwan)	(8862) 2734 7526
Kitti Nathisuwan (Thailand)	(662) 694 7724

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Regional Heads of Sales

(852) 2823 3509
(1 617) 217 2103
(852) 2823 3516
(49) 69 7593 8747
(41) 22 818 7710
(41) 22 818 7712
(9122) 6653 3200
(9122) 6653 3200
(822) 3705 8643
(822) 3705 8607
(44) 20 7065 5856
(44) 20 7065 5887
(603) 2059 8888
(65) 6231 2840
(1 212) 231 2527

Regional Heads of Sales cont'd

Luke Sullivan (New York)	(1 212) 231 2507
Mark Lawrence (New York)	(1 212) 231 2516
Sheila Schroeder (San Francisco)	(1 415) 835 1235
Giles Heyring (Singapore)	(65) 6231 2888
Mark Duncan (Taiwan)	(8862) 2734 7510
Angus Kent (Thailand)	(662) 694 7601
Dominic Henderson (Tokyo)	(813) 3512 7820
Nick Cant (Tokyo)	(813) 3512 7821
Charles Nelson (UK/Europe)	(44) 20 7065 2032
Rob Fabbro (UK/Europe)	(44) 20 7065 2031
Giles Heyring (Singapore) Mark Duncan (Taiwan) Angus Kent (Thailand) Dominic Henderson (Tokyo) Nick Cant (Tokyo) Charles Nelson (UK/Europe)	(65) 6231 2888 (8862) 2734 7510 (662) 694 7601 (813) 3512 7820 (813) 3512 7821 (44) 20 7065 2032

Sales Trading

Anthony Wilson (Asia)	(852) 2823 3511
Mona Lee (Hong Kong)	(852) 2823 3519
Stuart Goddard (Europe)	(44) 20 7065 2033

Sales Trading cont'd

Howard Yoon (Korea)	(822) 3705 8601
Ed Robinson (London)	(44) 20 7065 5883
Robert Risman (New York)	(1 212) 231 2555
Isaac Huang (Taiwan)	(8862) 2734 7582
Kenichi Ohtaka (Tokyo)	(813) 3512 7830

Index Sales

Margaret Hartmann (612) 8232 9834

Alternative Strategies

•	
Convertibles - Roland Sharman	(852) 2823 4628
Depository Receipts - Robert Ansell	(852) 2823 4688
Derivatives - Vipul Shah	(852) 2823 3523
Futures - Tim Smith	(852) 2823 4637
Hedge Fund Sales - Darin Lester	(852) 2823 4736
Structured Products - Andrew Terlich	(852) 2249 3225