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KEY DATA REVISIONS

Note Released:

India Economics

Jan Industrial Production - Beats Expectations again, Up 10.9% YoY

Industrial Production Growth — Forecasts and Actual (Percent)									
Event	Actual Citigro	up Forecast	Consensus	Previous Data (Dec	Previous Data (Nov)				
Jan Industrial Production	10.9	9.1	10.1	12.5	15.4				

Source: CSO, Bloomberg, and Citigroup* Dec Data revised up from 11.1% to 12.5%

Industrial production continues to surprise on the upside: Industrial growth rose 10.9% in Jan – lower than the Nov and Dec data but higher than ours as well as consensus expectations and the 8.5% growth seen in the same period last year. This is positive and bodes well for the govt's 9.2% GDP estimate for FY07.

- ≻ Key Highlights in Jan Data: (1) Growth on a sectoral basis was led by manufacturing up 11.6%, continued buoyancy in both electricity and mining up 8.5% and 6.0% (2) Continued buoyancy across the use-based classification – led largely by basic goods (11.6%), intermediate goods (12.7%) and consumer goods - especially non-durables. (3) However, capital goods production came in at 8.6%% which partially can be attributed to the base effect (27% in Jan06).
- ≻ Interest Rate Implications: On the back of strong IIP data coupled with the fact that we expect inflation to remain in 5.5%-6.5% range till March/April, we expect policy rates to rise by 25bps in the April. While concerns on overheating in sectors remains, we do not anticipate policy rates to rise much further as significantly higher rates could result in more dollar inflows and thus make currency management difficult.
- Maintaining our Macro Forecasts: We are maintaining our FY08 GDP ≻ estimate of 9.3% led by services (11%), industry (10.4%) and agriculture 2.8%. Besides the continuation of the key drivers, the growth story is supported by an uptrend in both savings and investment both touching new highs of 32.4% and 33.8% of GDP respectively. Key risks remain unchanged – infrastructure, the human resource paradox (creating more jobs coupled with the talent shortage), inclusive growth, politics and much further monetary tightening.

	Irends in Industrial Production (% YoY)								
Dec IIP revised upward		WTS							
from 11.1% to 12.5%			Aug-06	Sep-06	0ct-06	Nov-06	Dec-06		
Key revisions include:	Sectoral Classification								
Rey revisions menuae.	Mining	10.5	-1.7	4.3	5.9	8.0	5.9		
Manf from 11.9% to	Manufacturing	79.3	11.9	12.7	3.8	16.7	13.4		
13.4%	Electricity	10.2	4.1	11.3	9.7	8.7	9.3		
	General	100	10.3	12.0	4.5	15.4	12.5		
Mining from 3.8% to 5.9%	Use-based Classification								
Consumer Goods- from	Basic goods	35.5	4.8	11.5	10.5	11.9	12.3		
7.4% to 10.2%	Capital goods	9.7	16.6	9.5	6.5	29.2	20.9		
	Intermediate gds	26.4	8.7	13.8	5.9	17.5	12.2		
Non Durables from 8.7%	Consumer gds	28.4	15.0	12.1	-2.8	12.8	10.2		
to 12.4%	Durables	5.1	19.0	11.8	0.2	10.3	3.1		
	Non-durables	23.3	13.6	12.2	-4.1	13.7	12.4		

Trends in Industrial Dreduction (0/ VoV)

Source: CSO

Citigroup Global Markets

Jan-07

6.0

11.6

8.5

10.9

11.6

8.6

12.7

9.9

6.8

10.9

Apr-Jan

FY07

4.5

11.9

7.6

11.0

10.0

16.8

11.4

9.9

10.9

9.4

Jan-05

2.0

9.4

6.4

8.5

7.5

27.0

3.6

8.0

15.9

5.7

Apr-Jan

FY06

0.6

9.0

5.0

8.0

6.2

16.8

2.4

11.9

14.2

11.2



Charting Trends in Industrial Production

Industrial Production – Double-Digit Growth Continues Trends in Industrial Production (%YoY)

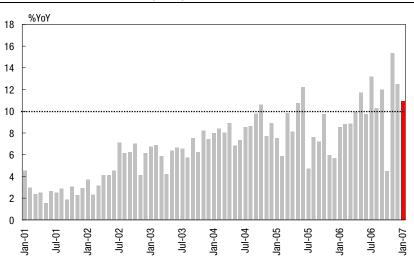
- Industrial Production in January was up 10.9%yoy. On a cumulative basis, growth during April-Jan was up 11% as compared with 8.1% seen during the same period last year
- On a sectoral basis, growth was led basic metals and alloys (+28.7%), cotton textiles (+22.4%), transport equipment (13.2%) and food products (12.1%)
- The January industrial production numbers bodes well for the government's 9.2% GDP estimate for FY07. We maintain our view of one more rate hike this fiscal.

Sectoral Trends – Cement, Autos Drive Growth

- Our cement analyst expects a steady ramp-up in capacity due to a steady rise in domestic cement consumption (up 10% yoy) as compared with an 8% average over the last 10 years, coupled with the impetus from infrastructure.
- In the autos segment, our analyst expects that trends in the CV segment are likely to remain buoyant post the Supreme Court order on overloading, while exports will be one of the drivers of 3- wheeler sales

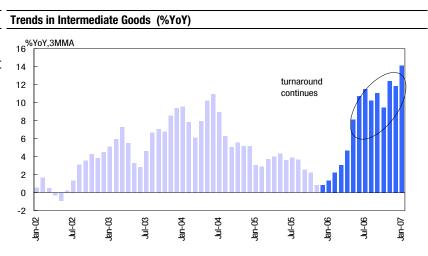
Intermediate Goods- Uptrend Continues

- The uptrend in intermediate goods continued in Jan up 12.7%yoy, as compared to just 3.6% last year. On a cumulative basis, growth during Apr-Jan was up 11.4% as compared with 2.4% the previous year.
- While higher growth is a result of the base effect, the uptrend also indicates a pick up in the components of intermediate goods, which include cotton yarns, filaments, pipes, auto ancillaries, LPG and natural gas, and polyester fibers, paints and varnishes



Sectoral Trends (%YoY)

	Aug-06	Sept-06	Oct-06	Nov-06	Dec-06	Jan07	Apr- Jan05	Apr- Jan06
CV sales	28.9	33.1	22.6	44.3	42.9	33.6	10.4	39.3
Two-wheelers sales	3.5	19.1	10.3	14.5	6.9	10.9	14.9	14.2
Car Sales	13.9	19.8	15.9	25.8	25.7	24.2	5.5	21.7
Cement Dispatches	3.2	17.4	8.0	13.1	10.8	7.7	10.5	10.5
Diesel consumption	-1.2	15.0	3.5	10.8	7.0	8.2	1.3	6.9
Infrastructure index	4.9	9.6	9.0	9.5	8.3		5.7	7.9
Overall IP	10.3	12.0	4.5	15.4	12.5	12.5	8.1	11.2



Source: NCAER, CSO, Citigroup, SIAM, Oil and Gas Monitor



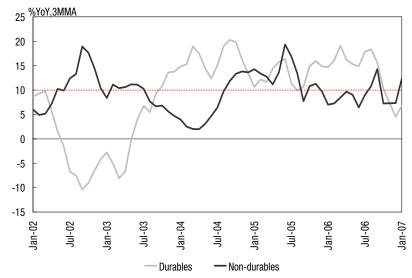
Consumer Goods – Holding Up

- Consumer Goods continued to post good numbers, up 9.9%yoy, though lower than the 10.2% growth seen in the previous month. On a cumulative basis, growth during Apr-Jan was up 9.9%, as compared with 11.9% the previous year
- Growth in Consumer Durables came in at (+6.8% as compared with 15.9% last yr). Key components include two wheelers, bicycles, passenger cars, etc. However this comprises only 5% of the overall index.
- However, growth in Consumer Non-Durables, up 10.9% v.s 5.7% last yr has remained strong. Key components include tea, sugar, wheat flour, cigarettes, biscuits, etc.

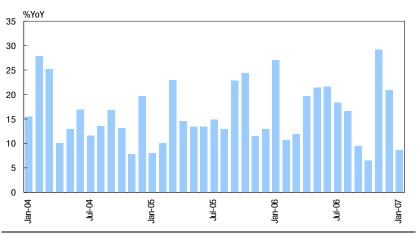
Capital Goods: Base effect impacts Jan numbers

- Capital goods witnessed a slowdown, at 8.6%yoy in Jan07 as compared with 27%yoy in Jan06.
- While trends have been erratic, this is largely on account of a base effect, coupled with the occurrence of one-off orders.
- Cumulative growth during April-Jan07 came in at 16.8% similar to trends last year

Trends in Consumer Goods – Durables and Non-Durables (%YoY)



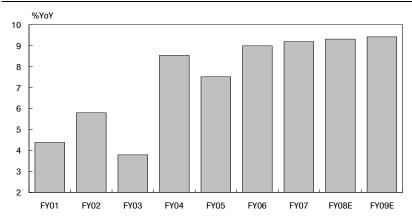
Trends in Capital Goods Production (% YoY)



Bottomline: Strong Trends bode well for GDP

 Recent trends of sustained, double-digit growth in industrial production are positive and bode well for the government meeting its FY07 GDP estimate of 9.2% as well as growth sustaining at 9%+ in FY08





Source: CSO ; Citigroup Estimates



Appendix: Manufacturing Classification – Detailed Breakdown

Break-Up of Manufacturing (% YoY)

									Apr-Jan
	Wts	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Jan06	Apr-Jan FY07	FY06
Manufacturing	79.4	12.7	3.8	16.7	13.4	11.6	9.4	11.9	9.0
Food Products	9.1	10.0	-9.7	11.3	5.7	12.1	9.7	6.1	-1.3
Beverages, Tobacco & Related	2.4	19.8	11.5	11.0	1.0	7.4	12.3	10.8	16.6
Cotton Textiles	5.5	14.5	10.8	18.3	18.3	22.4	2.0	14.7	9.3
Wool, Silk,Manmade fibres	2.3	8.3	0.0	18.2	9.0	11.6	-9.6	8.0	-0.6
Jute, Vegetable, and Fibre Textiles	0.6	-0.1	-1.0	9.7	1.0	-89.2	-3.9		1.9
Manf of Textile Prod	2.5	5.6	9.3	16.0	3.1	4.9	17.8	10.9	19.2
Wood, Wood Products	2.7	19.6	10.6	9.3	29.3	81.5	-2.5	13.1	-3.7
Paper,Prod,Printing, Pub.	2.7	8.4	7.2	15.6	7.8	9.5	4.6	8.8	1.2
Leather and Leather Products	1.1	0.3	-8.3	17.7	14.2	14.9	-20.7	0.1	-4.0
Basic Chemicals ,Chemical Products	14.0	13.0	1.9	8.4	12.4	6.9	-0.6	9.1	9.2
Rubber, Plastic, Petroleum, Coal Products	5.7	15.3	8.2	23.3	12.7	13.9	8.9	12.3	4.4
Non-Metallic Mineral Products	4.4	16.7	12.5	17.7	13.6	10.6	16.0	13.4	9.7
Basic Metal and Alloy Industries	7.5	19.8	20.8	25.4	28.9	28.7	12.9	22.3	14.9
Metal Products and Parts	2.8	9.6	25.6	-1.5	24.0	5.2	3.0	8.5	-2.0
Machinery and Equipment	9.6	11.6	6.4	17.3	8.0	7.4	21.0	13.4	11.9
Transport Equipment and Parts	4.0	11.9	5.4	21.8	9.6	13.2	13.2	15.5	12.4
Other	2.6	-10.9	-17.2	19.8	16.1	2.5	34.0	10.5	24.7
Mining	10.5	4.3	5.9	8.0	5.9	6.0	2.0	4.5	0.6
Electricity	10.2	11.3	9.7	8.7	9.3	8.5	6.4	7.6	5.0
General	100	12.0	4.5	15.4	12.5	10.9	8.5	11.0	8.0

Source: CSO

Disclosure Appendix

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