

FOR RELEASE: 10:00 A.M. (MUMBAI TIME), AUGUST 20, 2014

The Conference Board®
India Business Cycle IndicatorsSM

THE CONFERENCE BOARD LEADING ECONOMIC INDEX® (LEI) FOR INDIA

AND RELATED COMPOSITE ECONOMIC INDEXES FOR JULY 2014

The Conference Board Leading Economic Index[®] (LEI) for India decreased 0.2 percent, while The Conference Board Coincident Economic Index[®] (CEI) for India increased 0.1 percent in July.

- The Conference Board LEI for India fell in July after increasing in each of the previous four months. Large declines in PMI: services business activity and industrial production in capital goods more than offset positive contributions from merchandise exports, stock prices, and bank credit to commercial sector. Despite this month's decline, the leading economic index increased 2.5 percent (about a 5.0 percent annual rate) during the six-month period ending July 2014, a substantial improvement from the decline of 0.9 percent (about a -1.9 percent annual rate) for the previous six months. Moreover, the strengths among the leading indicators became very widespread in the last six months.
- The Conference Board CEI for India, a measure of current economic activity, increased slightly in July. However, there were downward revisions to June's increase, as actual data for industrial production became available. Between January and July 2014, the coincident economic index increased 0.7 percent (about a 1.5 percent annual rate), reversing the decline of 1.8 percent (about a -3.5 percent annual rate) in the previous six months. At the same time, India's real GDP increased 4.8 percent (annual rate) in the first quarter of 2014, slightly down from 5.3 percent (annual rate) in the last quarter of 2013.
- The LEI for India fell slightly in July after four consecutive monthly gains. Nevertheless, its six-month growth remains at a higher rate than in the second half of last year, with very widespread strengths among the leading indicators. Meanwhile, the six-month growth in the CEI for India has remained positive. The continued improvements in both the LEI's and CEI's growth over the last six months suggest that India's economic expansion should continue in the coming months and may even strengthen slightly.

<u>LEADING INDICATORS</u>. Four of the eight components that make up The Conference Board LEI for India increased in July. The positive contributors to the index — in order from the largest positive contributor to the smallest — were merchandise exports, the SENSEX stock prices index, M3: bank credit to commercial sector, and cargo handled*. PMI: services business activity, industrial production: capital goods*, real effective exchange rate (36 countries), and the interest rate spread declined in July.

The next release is scheduled for Monday, September 22, 2014 at 10:00 A.M. (Mumbai time)

In New York – Monday, September 22, 2014 at 12:30 A.M. (EDT)

With the decrease of 0.2 percent in July, The Conference Board LEI for India now stands at 182.7 (2004=100). Based on revised data, this index increased 0.8 percent in June and increased 1.3 percent in May. Over the six-month span through July, The Conference Board LEI for India increased 2.5 percent, and seven of the eight components advanced (diffusion index, six-month span equals 93.8 percent).

<u>COINCIDENT INDICATORS.</u> Two of the four components that make up The Conference Board CEI for India increased in July. The positive contributors to the index — in order from the larger positive contributor to the smaller — were industrial production*, and total imports. Car sales: passenger vehicle and exports of agricultural products* declined in July.

With the increase of 0.1 percent in July, The Conference Board CEI for India now stands at 203.6 (2004=100). Based on revised data, this index declined 0.6 percent in June and increased 1.4 percent in May. During the six-month span through July, The Conference Board CEI for India increased 0.7 percent, and two of the four components advanced (diffusion index, six-month span equals 50.0 percent).

FOR TABLES AND CHARTS, SEE BELOW

<u>DATA AVAILABILITY AND NOTES.</u> The data series used to compute **The Conference Board Leading Economic Index**[®] for India and **The Conference Board Coincident Economic Index**[®] for India reported in this release are those available "as of" 10:00 A.M. (ET) on August 18, 2014.

* The series in The Conference Board LEI for India that are based on our estimates are industrial production: capital goods and cargo handled. The series in The Conference Board CEI for India that are based on our estimates are industrial production, and exports of agricultural products.

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THE CYCLICAL INDICATOR APPROACH. The composite economic indexes are the key elements in an analytic system designed to signal peaks and troughs in the business cycle. The leading and coincident economic indexes are essentially composite averages of several individual leading or coincident indicators. (See page 3 for details.) They are constructed to summarize and reveal common turning point patterns in economic data in a clearer and more convincing manner than any individual component—primarily because they smooth out some of the volatility of individual components.

Historically, the cyclical turning points in The Conference Board LEI for India have occurred before those in aggregate economic activity, while the cyclical turning points in The Conference Board CEI for India have occurred at about the same time as those in aggregate economic activity.

Further explanations of the cyclical indicator approach and the composite economic index methodology appear in The Conference Board's *Business Cycle Indicators* report and website: www.conference-board.org/data/bci.cfm

India Composite Economic Indexes: Components and Standardization Factors

Le	eading Economic Index	<u>Factor</u>					
1. 2. 3. 4. 5. 6. 7. 8.	Interest rate spread, 10 yr – 91 day Stock price index SENSEX: Average REER: 36 currencies M3: bank credit to commercial sector Merchandise exports Cargo handled IP: capital goods PMI: services business activity	0.2031 0.0433 0.1492 0.2777 0.0459 0.1201 0.0472 0.1135					
Coincident Economic Index							
1. 2. 3. 4.	Industrial Production Car sales, passenger vehicle Total Imports Exports of agriculture products	0.6736 0.1372 0.0869 0.1023					

Notes:

The component factors are inversely related to the standard deviation of the month-to-month changes in each component. They are used to equalize the volatility of the contribution from each component and are normalized to sum to 1.

These factors were revised effective with the release in January 2014. Updates to the leading and coincident indexes normally only incorporate revisions to data over the past six months. The factors above for the leading economic index were calculated using the January 2006 to December 2012 period as the sample period for measuring volatility. Separate sets of factors for the February 2002 to December 2005, November 1996 to January 2002, May 1994 to October 1996, and the May 1990 to April 1994 period, are available upon request. The factors above for coincident economic index were calculated using the March 2000 to December 2012 period as the sample period. Separate sets of factors for the May 1995 to February 2000, and the May 1990 to April 1995 period, are available upon request. These multiple sample periods are the result of different starting dates for the component data. When one or more components are missing, the other factors are adjusted proportionately to ensure that the total continues to sum to 1. For additional information on the standardization factors and the index methodology, visit our Web site: www.conference-board.org/data/bci.cfm

The trend adjustment factors for the leading economic index are -0.1238 (calculated over the 1990-2012 period).

To address the problem of lags in available data, those leading and coincident indicators that are not available at the time of publication are estimated using statistical imputation. An autoregressive model is used to estimate each component. The resulting indexes are constructed using real and estimated data, and will be revised as the data unavailable at the time of publication become available. Such monthly data revisions are now a regular part of the U.S. Business Cycle and Global Indicators program. The main advantage of this procedure is to utilize in the leading economic index the data such as bond yields, stock prices, and change in consumer confidence that are available sooner than other data on real aspects of the economy such as housing starts and new orders. Empirical research by The Conference Board suggests there are real gains in adopting this procedure to make all the indicator series as up-to-date as possible.

NOTICES

The 2014 schedule for "The Conference Board Leading Economic Index® for India" updates is:

August 2014 Data ... Monday, September 22, 2014 September 2014 Data ... Tuesday, October 21, 2014 October 2014 Data ... Tuesday, November 18, 2014 November 2014 Data ... Thursday, December 18, 2014

All releases are at 10:00 A.M. (Mumbai time), (the day before) 11:30 P.M. (New York EST) or 12:30 A.M. (New York EDT)

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BCI Handbook (published 2001) PDF only – website download

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Table 1.--Summary of India Composite Economic Indexes

	Table 1St	illilliary of ill	uia Compos	Site Economi	C IIIuexes		
				2014			
	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.
Leading index	178.3	176.6 r	177.2	179.2 r	181.5 r	183.0 p	182.7 p
Percent change	0.8	-1.0 r	0.3	1.1 r	1.3 r	0.8 p	-0.2 p
Diffusion index	68.8	31.3	37.5	81.3	81.3	56.3	62.5
Coincident index	202.1	198.2	199.8	201.8 r	204.6 r	203.3 r	203.6 p
Percent change	0.3	-1.9	0.8	1.0 r	1.4 r	-0.6 r	0.1 p
Diffusion index	25.0	25.0	50.0	50.0	75.0	75.0	50.0
	Jul to	Aug to	Sep to	Oct to	Nov to	Dec to	Jan to
	Jan	Feb	Mar	Apr	May	Jun	Jul
Leading index							
Percent change	-0.9	-0.1 r	1.1	0.6 r	2.5 r	3.5 p	2.5 p
Diffusion index	50.0	62.5	75.0	75.0	87.5	87.5	93.8
Coincident index							
Percent change	-1.8	-4.0	-1.4 _r	0.7 _r	3.0 r	0.9 _r	0.7 _p
Diffusion index	25.0	0.0	50.0	50.0	75.0	75.0	50.0

p Preliminary. r Revised (noted only for index levels and one-month percent changes).

CALCULATION NOTE: The diffusion indexes measure the proportion of the components that are rising. Components that rise more than 0.05 percent are given a value of 1.0, components that change less than 0.05 percent are given a value of 0.5, and components that fall more than 0.05 percent are given a value of 0.0.

For more information, visit our Web site at www.conference-board.org/data/bci.cfm

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Table 2Data and Net Contributions for Components of India LEI				2014			
Component	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.
		Ind	ia Leading Ec	onomic Index	component da	ata	
Interest Rate Spread (10 year minus 91 days, %)	-0.03	-0.21	0.02	0.04	0.04	0.19 r	-0.13
SENSEX Stock Prices (1978 -1979 =100, average)	20943.42	20521.34	21815.72	22569.50	23745.90	25226.81	25723.46
REER: 36 Currencies (2004-2005=100)	102.75	101.97	103.82	104.62 r	107.05 r	106.53 r	105.87
V3: Bank Credit to Commercial Sector INR bn, SA, deflated by CPI)	45434.94	45566.20 r	45387.95 r	45682.55 r	45847.89 r	46117.42 r	46216.66
Merchandise Exports (SA, bn.US\$, deflated by WPI)	14.86	14.12	13.66	14.24 r	15.23 r	14.56 r	15.33
Cargo Handled (Thousands of Tons, SA)	197.32	r 191.55 r	197.00 r	195.17 r	203.10 r	201.60 **	202.67 *
Industrial Production: Capital Goods (2004-2005=100, SA)	242.55	236.99 r	235.99 r	269.55 r	254.40 r	275.65 r	267.43 *
PMI: Services Business Activity (SA, 50+=Expansion)	48.26	48.77	47.52	48.53	50.22	54.44	52.19
LEADING INDEX (2004=100) Percent change from preceding month	178.3 0.8	176.6 r -1.0 r	177.2 0.3 r	179.2 r 1.1 r	181.5 r 1.3 r	183.0 p 0.8 p	182.7 - 0.2
		Indi	a Leading Eco	nomic Index r	net contribution	ons	
Interest Rate Spread (10 year minus 91 days, %)		-0.04	0.00	0.01	0.01	0.04 r	-0.03
SENSEX Stock Prices (1978 -1979 =100, average)		-0.09	0.26	0.15	0.22	0.26	0.08
REER: 36 Currencies (2004-2005=100)		-0.11	0.27	0.11 r	0.34 r	-0.07 r	-0.09
V3: Bank Credit to Commercial Sector INR bn, SA, deflated by CPI)		0.08 r	-0.11 r	0.18 r	0.10 r	0.16 r	0.06
Merchandise Exports (SA, bn.US\$, deflated by WPI)		-0.23	-0.15	0.19 r	0.31 r	-0.21 r	0.24
Cargo Handled Thousands of Tons, SA)		-0.36 r	0.34 r	-0.11 r	0.48 r	-0.09 **	0.06
Industrial Production: Capital Goods (2004-2005=100, SA)		-0.11 r	-0.02 r	0.63	-0.27 r	0.38 r	-0.14
PMI: Services Business Activity SA, 50+=Expansion)		0.06	-0.14	0.11	0.19	0.48	-0.25

p Preliminary. r Revised. -- * Inverted series; a negative change in this component makes a positive contribution.

Data Sources: TCB, Havery Analytics, CEIC

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions of the individual components (because of rounding effects and base value differences).

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Statistical Imputation (See page 2 for more details) interpolation

Table 3,--Data and Net Contributions for Components of India CEI

	2014						
Component	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.
	India Coincident Economic Index component data						
dustrial Production							
SA, FY2004=100)	175.9	170.7	173.4	178.1	178.7 r	172.8 r	175.6 *
ar Sales, passenger vehicle							
hous of Units, SA)	184.1 r	189.4 r	185.6 r	181.2 r	196.6 r	214.1 r	199.8
otal Imports							
JSD bn, SA, deflated by WPI)	1971.5 r	1957.2 r	2164.0 r	2005.5 r	2016.0 r	2125.2 r	2151.2
xports of Agricultural Products							
Bn.US\$, SA, deflated by WPI)	150.3	146.7	135.0	138.2 r	137.1 **	137.5 **	136.6 *
OINCIDENT INDEX (2004=100)	202.1	198.2	199.8 r	201.8	204.6 r	203.3 r	203.6
Percent change from preceding month	0.3	-1.9	0.8	1.0	1.4	-0.6	0.1 p
		India Coin	cident Ecor	omic Index	net contribu	utions	
dustrial Production							
A, FY2004=100)		-2.04	1.08 r	1.78 r	0.25 r	-2.29 r	1.11 '
ar Sales, passenger vehicle							
hous of Units, SA)		0.39	-0.28 r	-0.33 r	1.12 r	1.17 r	-0.95
otal Imports							
JSD bn, SA, deflated by WPI)		-0.06 r	0.87 r	-0.66 r	0.05 r	0.46 r	0.11
kports of Agricultural Products		-0.25	-0.85	0.24 r	-0.08	0.03 **	-0.07
In.US\$, SA, deflated by WPI)		-0.25	-0.85	U.24 f	-0.08	0.03 ***	-0.07

p Preliminary. r Revised. -- * Inverted series; a negative change in this component makes a positive contribution.

Data Sources: TCB, Havery Analytics, CEIC

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions

of the individual components (because of rounding effects and base value differences).

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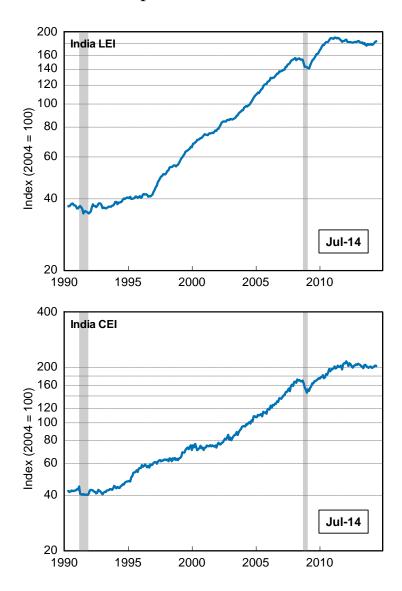
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^{**} Statistical Imputation (See page 2 for more details) interpolation

India Composite Economic Indexes



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