

# I. OUTPUT

*The global financial crisis interrupted the growth momentum of India, despite the strong dominance of domestic sources of growth. There was clear moderation in growth by the third quarter of 2008-09. In relation to the agricultural sector, industry and services sectors have been affected more by the adverse external shocks, with some contribution to their growth deceleration arising from cyclical slowdown in certain sectors after a prolonged phase of high growth. In the context of the severity of the impact of the crisis on the real economy of countries around the world, the growth outcome reflects the resilience of the Indian economy.*

I.1 The Indian economy, which witnessed robust growth up to the second quarter of 2008-09, recorded sharp deceleration thereafter in the wake of persistent global economic slowdown, particularly in the advanced economies. According to the estimates released by the Central Statistical Organisation (CSO) in February 2009, real GDP growth during the third quarter of 2008-09 was lower at 5.3 per cent as compared with 8.9 per cent in the corresponding period of 2007-08, reflecting deceleration of growth in all its constituent sectors (Table 1). While the slowdown in industrial growth was largely an outcome of some cyclical downturn and adverse global factors, the services sector also recorded moderation from its double-digit growth, notwithstanding a counter-cyclical rise in the growth of community social and personal services following the implementation of the Sixth Pay Commission recommendations. The cumulative position reveals that the real GDP growth was 6.9 per cent during 2008-09 (April-December) as compared with 9.0 per cent during the corresponding period of 2007-08. Although India's growth trajectory has been impacted both by the financial crisis

and the global economic downturn, the structural drivers of the Indian economy continue to remain intact, sustaining the overall growth at a level much higher than most of the economies in rest of the world. It is expected that domestic demand in the Indian economy would be well supported by strong rural consumption demand as well as the coordinated monetary-fiscal stimulus measures undertaken recently.

## **Agricultural Situation**

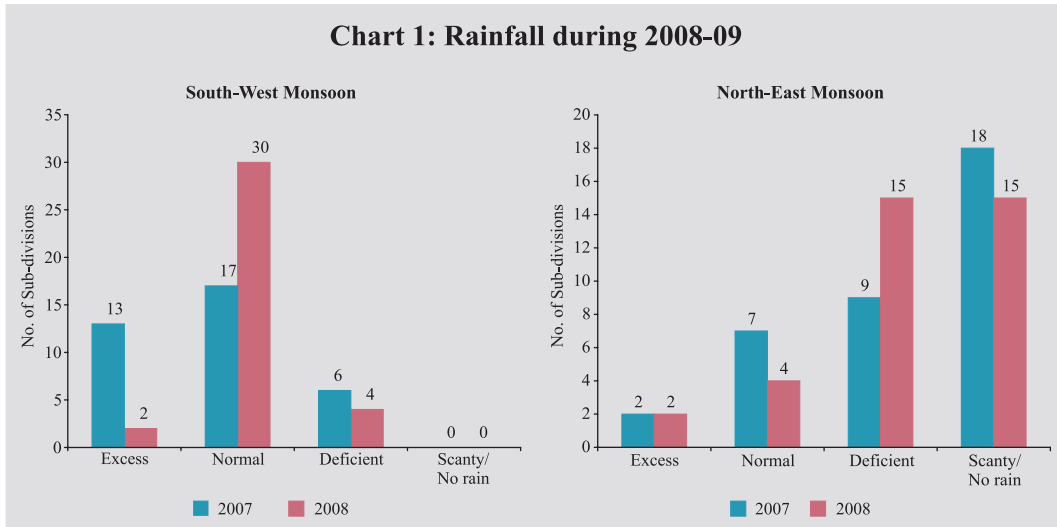
I.2 The performance of the South West monsoon during 2008 (June 1 to September 30) was satisfactory. Cumulative rainfall was two per cent below normal with 32 of 36 meteorological sub-divisions registering excess/normal rains. The performance of North-East monsoon (October 1 to December 31, 2008) was, however, subdued with cumulative rainfall being 31.0 per cent below the normal level. Moreover, the spatial distribution of rainfall was highly uneven (Chart 1). As on March 26, 2009, the total live water storage was 26.0 per cent (33.0 per cent last year) of the Full Reservoir Level (FRL). The long range monsoon forecast released by the India

Table 1: Growth Rates of Real GDP <sup>@</sup>										
Sector	2007-08*	2008-09#	(Per cent)							
			2007-08			2008-09			2007-08	2008-09
			Q1	Q2	Q3	Q1	Q2	Q3	April-December	
1	2	3	4	5	6	7	8	9	10	11
<b>1. Agriculture and Allied Activities</b>	<b>4.9</b> (17.8)	<b>2.6</b> (17.1)	<b>4.4</b>	<b>4.4</b>	<b>6.9</b>	<b>3.0</b>	<b>2.7</b>	<b>-2.2</b>	<b>5.5</b>	<b>0.6</b>
<b>2. Industry</b>	<b>7.4</b> (19.2)	<b>4.2</b> (18.7)	<b>8.5</b>	<b>7.5</b>	<b>7.6</b>	<b>5.2</b>	<b>4.7</b>	<b>0.8</b>	<b>7.9</b>	<b>3.5</b>
2.1 Mining and Quarrying	3.3	4.7	0.2	3.9	4.3	4.8	3.9	5.3	2.8	4.7
2.2 Manufacturing	8.2	4.1	10.0	8.2	8.6	5.6	5.0	-0.2	8.9	3.4
2.3 Electricity, Gas & Water Supply	5.3	4.3	6.9	5.9	3.8	2.6	3.6	3.3	5.5	3.2
<b>3. Services</b>	<b>10.8</b> (63.0)	<b>9.2</b> (64.2)	<b>10.7</b>	<b>10.7</b>	<b>10.1</b>	<b>10.2</b>	<b>9.6</b>	<b>9.5</b>	<b>10.5</b>	<b>9.7</b>
3.1 Trade, Hotels, Restaurants, Transport, Storage and Communication	12.4	10.3	13.2	11.0	11.6	11.2	10.7	6.8	11.9	9.4
3.2 Financing, Insurance, Real Estate and Business Services	11.7	8.6	12.4	12.2	11.9	9.3	9.2	9.5	12.2	9.3
3.3 Community, Social and Personal Services	6.8	9.3	4.5	7.1	5.5	8.5	7.7	17.3	5.7	11.2
3.4 Construction	10.1	6.5	9.7	13.7	9.0	11.4	9.7	6.7	10.8	9.2
<b>4. Real GDP at Factor Cost</b>	<b>9.0</b> (100)	<b>7.1</b> (100)	9.1	9.1	8.9	7.9	7.6	5.3	9.0	6.9
<i>Memo:</i> (Amount in Rupees crore)										
a) Real GDP at Factor Cost at 1999-2000 prices	31,29,717	33,51,653								
b) GDP at current market prices	47,23,400	54,26,277								
<sup>@</sup> : At 1999-2000 Prices.			* : Quick Estimates.			# : Advance Estimates.				
<b>Note</b> : Figures in parentheses indicate shares in real GDP.										
<b>Source</b> : Central Statistical Organisation.										

Meteorological Department on April 17, 2009 reveals that rainfall during the South-West monsoon season 2009, for the country as a whole is likely to be near normal, viz., 96 per cent of the Long Period Average with a model error of  $\pm 5$  per cent.

I.3 The progress of acreage sown mirrors the prospects for agricultural production. The area covered under sowing of various crops declined marginally during the *kharif* season 2008-09 on account of moderate shortfall in rainfall. Nonetheless, the prospects for *rabi* production improved with area sown under *rabi* crops being higher than a year ago (Table 2).

I.4 The Ministry of Agriculture has set the target for foodgrains production for 2008-09 at 233.0 million tonnes. According to the Second Advance Estimates, the total foodgrains production during 2008-09 is placed at 227.9 million tonnes as compared with 230.8 million tonnes in 2007-08 (Table 3). The reduction in foodgrains production during 2008-09 is on account of decline in *kharif* foodgrains production attributable to the crop losses due to floods in States like Bihar, Eastern UP, Orissa and Assam during the *kharif* season 2008-09. There has been a decline in the production of



coarse cereals, pulses, oilseeds, cotton and sugarcane. The marginally lower estimates of wheat production for 2008-09 mainly reflected the unusually warm weather in

January and early February 2009. However, growth in allied sectors like horticulture, livestock and fisheries is expected to remain favourable.

**Table 2: Progress of Area Sown under Crops - 2008-09**

		(Million hectares)					(Million hectares)		
Crop	Normal Area	Area Coverage (as on October 17, 2008)			Crop	Normal Area	Area Coverage (as on March 27, 2009)		
		2007	2008	Absolute Variation			2008	2009	Absolute Variation
1	2	3	4	5	6	7	8	9	10
<b>Kharif Crops</b>					<b>Rabi Crops</b>				
Rice	39.1	37.3	38.5	1.1	Rice	3.7	4.4	4.6	0.3
Coarse cereals	22.7	21.1	20.0	-1.2	Wheat	26.5	28.1	27.8	-0.3
<i>of which:</i>					Coarse cereals	6.4	6.2	6.9	0.7
Bajra	9.2	8.3	7.7	-0.6	<i>of which:</i>				
Jowar	4.2	3.5	3.0	-0.5	Jowar	4.9	4.5	4.9	0.4
Maize	6.4	7.4	7.1	-0.3	Maize	0.8	1.1	1.2	0.2
Total Pulses	10.9	12.3	10.4	-1.9	Total Pulses	11.6	13.6	14.5	0.9
Total Oilseeds	15.9	17.5	18.3	0.8	Total Oilseeds	9.2	9.7	10.0	0.3
<i>of which:</i>					<i>of which:</i>				
Groundnut	5.4	5.4	5.3	-0.1	Groundnut	0.8	1.2	1.1	-0.2
Soyabean	7.3	8.7	9.6	0.9	Rapeseed/ Mustard	6.3	6.0	6.6	0.7
Sugarcane	4.1	5.3	4.4	-0.9	Sunflower	1.3	1.1	1.2	0.1
Cotton	8.4	9.2	9.1	-0.1					
<b>All Crops</b>	<b>101.9</b>	<b>103.9</b>	<b>101.5</b>	<b>-2.4</b>	<b>All Crops</b>	<b>57.4</b>	<b>62.0</b>	<b>63.8</b>	<b>1.9</b>

Source : Ministry of Agriculture, Government of India.

**Table 3: Agricultural Production**

Crop	2007-08	(Million tonnes)	
		2008-09	
		Target	Achievement@
1	2	3	4
Rice	96.7	97.0	98.9
<i>Kharif</i>	82.7	83.0	85.5
<i>Rabi</i>	14.0	14.0	13.4
Wheat	78.6	78.5	77.8
Coarse Cereals	40.8	42.0	37.0
<i>Kharif</i>	31.9	32.6	27.7
<i>Rabi</i>	8.9	9.4	9.3
Pulses	14.8	15.5	14.3
<i>Kharif</i>	6.4	5.9	4.8
<i>Rabi</i>	8.4	9.6	9.4
<b>Total Foodgrains</b>	<b>230.8</b>	<b>233.0</b>	<b>227.9</b>
<i>Kharif</i>	121.0	121.5	118.0
<i>Rabi</i>	109.8	111.5	109.9
Total Oilseeds	29.8	31.8	26.0
<i>Kharif</i>	20.7	20.0	16.3
<i>Rabi</i>	9.0	11.8	9.6
Sugarcane	348.2	340.0	290.4
Cotton #	25.9	26.0	22.2
Jute and Mesta ##	11.2	11.0	11.0
@ : Second Advance Estimates.			
# : Million bales of 170 kgs. each.			
## : Million bales of 180 kgs. each.			
<b>Source :</b> Ministry of Agriculture, Government of India.			

### Food Management

I.5 The foodgrains procurement (rice and wheat) during 2008-09 was higher led by more than two-fold increase in wheat procurement (Table 4). The offtake of foodgrains (rice and wheat) during 2008-09 so far (up to January 31, 2009) was also higher than the level during corresponding period last year. The stocks of foodgrains with the Food Corporation of India (FCI) and other Government agencies nearly doubled to about 37.4 million tonnes as on February 1, 2009. The stocks of both rice and wheat are now higher than their norms.

### Industrial Performance

I.6 The loss of growth momentum in the industrial sector was evident during 2008-09 (April-February) with the year-on-year expansion being 2.8 per cent as against 8.8 per cent in the corresponding period of the previous year (Table 5). The intra-year movement of growth in industrial production reveals that the Index of Industrial Production (IIP), which witnessed an average growth of around 5.6 per cent during the first four months of 2008-09 (April to July), slipped to a low of 1.7 per cent during August, before recovering to 6.0 per cent in September. The IIP growth, however, decelerated in October-November 2008 and January 2009 and recorded a negative growth during December 2008 and February 2009 (Chart 2). Before this, IIP had registered negative growth in April 1994.

I.7 The manufacturing sector witnessed a slowdown as 15 industry groups accounting for 74.4 per cent of the total weight in the IIP recorded decelerated/ negative growth during April-February 2008-09 (Table 6). Jute, most of the textiles, rubber, plastic, petroleum and coal products, food products, leather and fur products, wood and wood products, furnitures, fixtures, metal products and parts recorded a decline in production, while chemical and chemical products, machinery and equipment, basic metal and alloy industries, paper and paper products, transport equipment and parts, non-metallic mineral products, wool, silk and man-made fibre textiles and other

Output

<b>Table 4: Management of Food Stocks</b>													
(Million tonnes)													
Year/Month	Opening Stock of Foodgrains			Procurement of Foodgrains			Foodgrains Offtake				Closing Norms Stock		
	Rice	Wheat	Total	Rice	Wheat	Total	PDS	OWS	OMS - Exports	OMS - Domestic	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2007-08	13.2	4.7	17.9	26.4	11.1	37.5	33.5	3.9	0.0	0.0	37.4	19.8	
2008-09@	13.8	5.8	19.8	32.8	22.7	55.4	28.9 (27.6)	2.6 (3.0)	0.5 (0.0)	0.0 (0.0)	32.0 (30.5)		
<b>2007</b>													
April	13.2	4.7	17.9	0.9	7.9	8.7	2.6	0.2	0.0	0.0	2.8	25.1	16.2
July	11.0	12.9	23.9	0.8	0.0	0.8	2.9	0.4	0.0	0.0	3.2	21.2	26.9
October	5.5	10.1	15.6	7.4	0.0	7.4	2.7	0.3	0.0	0.0	2.9	19.7	16.2
December	10.1	8.4	18.5	3.5	0.0	3.5	2.7	0.3	0.0	0.0	3.0	19.2	
<b>2008</b>													
January	11.5	7.7	19.2	4.5	0.0	4.5	2.9	0.3	0.0	0.0	3.2	21.4	20.0
April	13.8	5.8	19.8	1.1	12.6	13.7	2.7	0.0	0.0	0.0	2.8	30.7	16.2
July	11.3	24.9	36.3	0.1	0.2	0.3	2.8	0.3	0.0	0.0	3.1	34.3	26.9
September	8.5	23.3	31.8	1.4	0.0	1.4	2.8	0.4	0.0	0.0	3.2	30.0	
October	7.9	22.0	30.0	8.1	0.0	8.1	2.6	0.1	0.0	0.0	2.8	35.3	16.2
November	14.1	21.0	35.3	3.1	0.0	3.1	2.6	0.1	0.0	0.0	2.8	35.5	
December	15.6	19.6	35.5	4.2	0.0	4.2	3.0	0.5	0.2	0.0	3.6	36.2	
<b>2009</b>													
January	17.6	18.2	36.2	4.8	0.0	4.8	2.9	0.2	0.3	0.0	3.4	37.4	20.0
February	20.2	16.8	37.4	3.7	0.1	3.8	..	..	..	..	..	..	..
March	..	..	..	2.4	0.0	2.4	..	..	..	..	..	..	..

PDS : Public Distribution System.    OWS : Other Welfare Schemes.    OMS : Open Market Sales.  
 .. : Not Available.  
 @ : Offtake up to January 31, 2009.

**Note :** 1. Closing stock figures may differ from those arrived at by adding the opening stocks and procurement and deducting offtake, as stocks include coarse grains also.  
 2. Figures in parentheses indicate offtake of foodgrains during the corresponding period of 2007-08.  
 3. Total minimum stocks are to be maintained, as on April 1, July 1, October 1, and January 1, by public agencies under the 'new buffer stocking policy' with effect from March 29, 2005.

**Source :** Ministry of Consumer Affairs, Food and Public Distribution, Government of India.

manufacturing industries recorded decelerated growth. On the contrary, only two industry groups, viz., beverages, tobacco and related products and textile products recorded accelerated growth during the period.

I.8 Electricity sector witnessed its lowest growth since the introduction of

current IIP series (1993-94=100), on account of deceleration in power generation in all spheres, viz., thermal, nuclear and hydro-power plants. The mining sector growth also decelerated.

I.9 In terms of use-based classification, the growth in basic, capital and consumer goods sectors recorded a

**Table 5: Index of Industrial Production - Sectoral and Use-Based Classification**

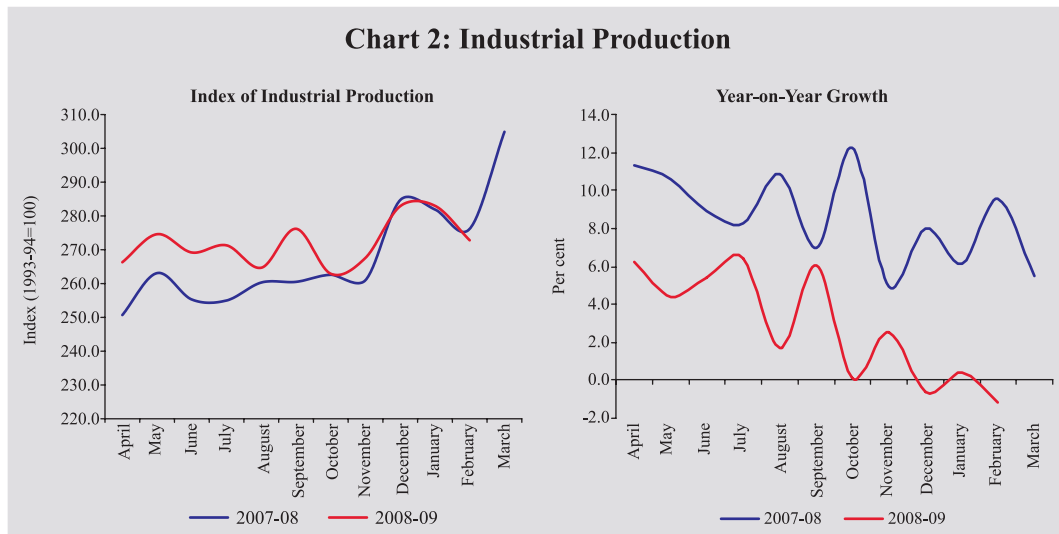
(Per cent)							
Industry Group	Weight in the IIP	Growth Rate			Weighted Contribution #		
		April-March 2007-08	April-February		April-March 2007-08	April-February	
			2007-08	2008-09 P		2007-08	2008-09 P
1	2	3	4	5	6	7	8
<b>Sectoral</b>							
Mining	10.5	5.1	5.2	2.4	4.2	4.0	5.9
Manufacturing	79.4	9.0	9.3	2.8	89.5	89.6	86.7
Electricity	10.2	6.3	6.6	2.4	6.3	6.4	7.3
<b>Use-Based</b>							
Basic Goods	35.6	7.0	7.3	2.7	24.7	25.2	28.6
Capital Goods	9.3	18.0	17.7	8.8	25.0	23.1	39.9
Intermediate Goods	26.5	8.9	9.3	-2.7	27.4	27.7	-25.9
Consumer Goods (a+b)	28.7	6.1	6.6	4.9	22.9	24.1	55.6
a) Consumer Durables	5.4	-1.0	-1.0	4.1	-1.0	-0.9	11.2
b) Consumer Non-durables	23.3	8.5	9.3	5.1	24.0	25.0	44.4
<b>General</b>	<b>100.0</b>	<b>8.5</b>	<b>8.8</b>	<b>2.8</b>	<b>100.0</b>	100.0	100.0

P : Provisional.  
# : Figures may not add up to 100 due to rounding off.  
**Source :** Central Statistical Organisation.

deceleration, while intermediate goods production registered a decline during 2008-09 (April-February). The contraction

in the intermediate goods sector is due to a decline in the production of a number of textile items, PVC pipes and tubes,

**Chart 2: Industrial Production**



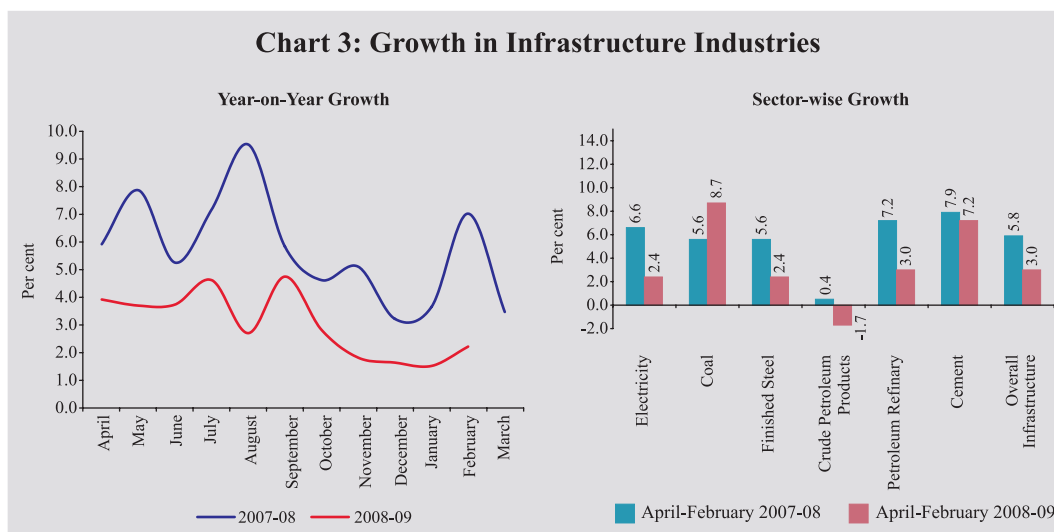
## Output

Table 6: Growth of Manufacturing Groups							
(Per cent)							
Industry Group	Weight in the IIP	Growth Rate			Weighted Contribution #		
		April-March 2007-08	April-February		April-March 2007-08	April-February	
			2007-08	2008-09 P		2007-08	2007-08
1	2	3	4	5	6	7	8
1. Food products	9.08	7.0	7.9	-6.2	6.3	6.6	-17.0
2. Beverages, tobacco and related products	2.38	12.0	11.9	14.7	6.8	6.6	27.5
3. Cotton textiles	5.52	4.3	4.7	-2.6	2.0	2.1	-3.7
4. Wool, silk and man-made fibre textiles	2.26	4.8	3.9	1.1	1.5	1.2	1.1
5. Jute and other vegetable fibre textiles (except cotton)	0.59	33.0	30.8	-10.9	0.9	0.9	-1.2
6. Textile products (including wearing apparel)	2.54	3.7	4.2	4.5	1.4	1.6	5.4
7. Wood and wood products, furniture & fixtures	2.70	40.5	46.5	-8.9	5.3	5.6	-4.8
8. Paper and paper products and printing, publishing and allied industries	2.65	2.7	2.7	1.8	0.9	0.9	1.9
9. Leather and leather & fur products	1.14	11.7	11.6	-6.1	1.1	1.0	-1.8
10. Chemicals and chemical products (except products of petroleum & coal)	14.00	10.6	11.4	2.4	22.4	23.4	16.8
11. Rubber, plastic, petroleum and coal products	5.73	8.9	9.3	-2.3	6.1	6.2	-5.2
12. Non-metallic mineral products	4.40	5.7	6.3	0.8	4.1	4.4	1.9
13. Basic metal and alloy industries	7.45	12.1	12.8	4.9	13.4	13.6	17.8
14. Metal products and parts (except machinery and equipment)	2.81	-5.6	-2.8	-2.8	-1.5	-0.7	-2.2
15. Machinery and equipment other than transport equipment	9.57	10.5	9.8	9.7	19.0	16.9	56.0
16. Transport equipment and parts	3.98	2.9	3.1	1.4	2.3	2.3	3.4
17. Other manufacturing industries	2.56	19.8	18.6	2.9	8.0	7.3	4.1
<b>Manufacturing – Total</b>	<b>79.36</b>	<b>9.0</b>	<b>9.3</b>	<b>2.8</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

P : Provisional. # : Figures may not add up to 100 due to rounding off.  
**Source** : Central Statistical Organisation.

railway/concrete sleeper, spun pipes, yarns, hessian, sacking, particle board and filament yarn. The basic goods sector decelerated sharply mainly on account of subdued growth in electricity sector, a fall in production of basic chemicals and rubber, petroleum and coal products and some steel and aluminium products. The capital goods sector moderated on account

of decline in production of transport equipment and other machinery and equipments. Within the transport equipment, there was decline in production of broad gauge covered wagons, passenger carriage, commercial vehicles, H.T. insulators among non-metallic mineral products and agricultural implements. The consumer goods sector witnessed a



moderate deceleration, of which the growth of non durables segment decelerated, while that of consumer durables accelerated. The subdued growth in consumer non-durables was on account of the decline in production of cotton textiles, textile products, leather goods, basic chemicals, metal products such as razor blades, machinery and equipment other than transport equipment and other manufacturing industries.

#### *Infrastructure*

I.10 The core sector recorded lower growth of 3.0 per cent during April-February 2008-09, down from 5.8 per cent during the corresponding period of the previous year (Chart 3). The sharp deceleration in the growth of electricity, finished steel and petroleum refinery products sector and decline in crude oil production impacted the growth of infrastructure. Both cement and steel sectors recorded decelerated growth reflecting slowdown in construction.

#### **Services Sector**

I.11 The services sector recorded some moderation in growth during 2008-09. The moderation was visible particularly from the second quarter of the year, reflecting subdued performance of all the segments, except community, social and personal services. Cumulatively, the sector recorded a lower growth of 9.7 per cent during April-December 2008-09, as compared with 10.5 per cent during the corresponding period of 2007-08. However, the share of the services sector in real GDP has gone up during 2008-09 (see Table 1).

I.12 In terms of relative contribution to real GDP growth, while the slowdown was particularly evident in construction, trade, hotel, transport and communication, the contribution of community social and personal services increased, reflecting the Sixth Pay Commission payout (Table 7).

I.13 The indicators of services sector activity for 2008-09 suggest sharp negative growth in respect of foreign tourist arrivals,



Output

<b>Table 7: Growth in Services Sector</b>					
(Contribution to real GDP growth; percentage points)					
Year/Quarter	Construction	Trade, Hotels, Transport and Communication	Financing, Insurance, Real Estate and Business Services	Community, Social and Personal Services	Total Services
1	2	3	4	5	6
2005-06	1.1	3.0	1.5	1.0	6.7
2006-07	0.8	3.5	1.9	0.8	6.9
2007-08 QE	0.7	3.4	1.7	0.9	6.7
2008-09 AE	0.5	2.9	1.3	1.2	5.8
2007-08 : Q1	0.7	3.5	1.8	0.6	6.6
: Q2	1.0	3.1	1.8	1.0	6.9
: Q3	0.6	3.1	1.6	0.7	6.0
: Q4	0.9	3.4	1.5	1.3	7.1
2008-09 : Q1	0.8	3.0	1.4	1.1	6.4
: Q2	0.7	3.0	1.4	1.1	6.3
: Q3	0.5	1.8	1.3	2.1	5.7

QE : Quick Estimates. AE : Advance Estimates.  
**Source:** Central Statistical Organisation.

passengers handled at domestic terminals, commercial vehicles production, railway revenue earning freight traffic and import cargo handled by civil aviation.

Furthermore, growth in new cell-phone connections, export cargo handled by civil aviation, production of cement and steel decelerated (Table 8).

<b>Table 8: Indicators of Services Sector Activity</b>				
(Growth rates in per cent)				
Sub-sector	2006-07	2007-08	April-January	
			2007-08	2008-09
1	2	3	4	5
Tourist arrivals	13.0	12.2	12.7	-0.1
Commercial vehicles production#	33.0	4.8	4.5 @	-23.4 @
Railway revenue earning freight traffic	9.2	9.0	9.0 @	-0.9 @
New cell phone connections	85.4	38.3	42.7	31.1
Cargo handled at major ports	9.5	11.9	11.9	3.0
Civil aviation				
Export cargo handled	3.6	7.5	6.7 *	5.5 *
Import cargo handled	19.4	19.7	21.5 *	-0.8 *
Passengers handled at international terminals	12.1	11.9	12.7 *	6.2 *
Passengers handled at domestic terminals	34.0	20.6	24.1 *	-11.6 *
Cement **	9.1	8.1	7.9 @	7.2 @
Steel **	13.1	5.1	5.6 @	2.4 @

\* : April-December. # : Leading Indicator for transportation.  
 @ : April-February. \*\* : Leading indicators for construction. SCBs : Scheduled Commercial Banks.  
**Source :** Ministry of Tourism; Ministry of Commerce and Industry; Ministry of Statistics and Programme Implementation; Reserve Bank of India; and Centre for Monitoring Indian Economy.