

Short Term Statistics*

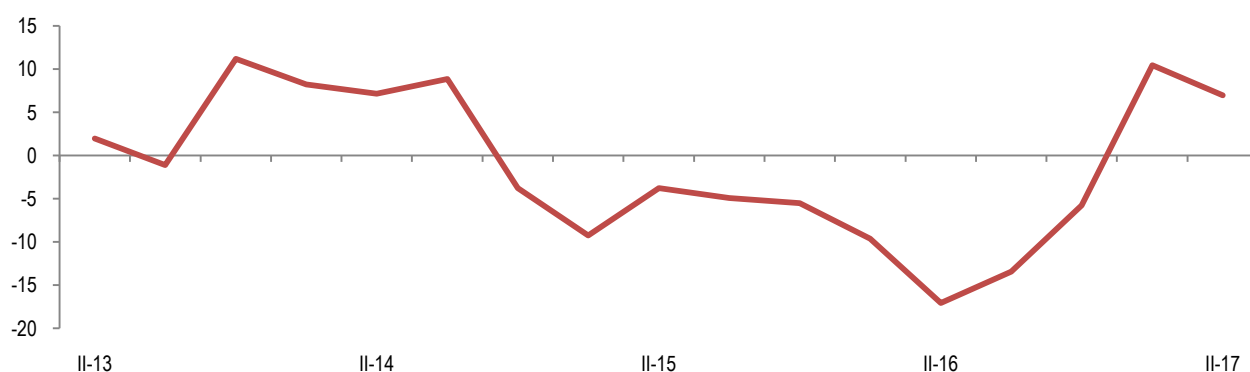
Producer of Goods - Second Quarter, 2017

Tirana, 14 September: Producers of goods main quarterly indicators, which include the economic activities: Industry (Mining and quarrying and Manufacturing); Electricity, gas, steam; Water supply; sewerage, waste management and remediation activities; Construction, in the second quarter 2017 (base year 2010=100), are presented as below:

Industry:

- Turnover volume index increased by 6.9 %, compared with the same period of the previous year. This indicator seasonally adjusted decreased by 0.5 %, compared with the previous quarter;
- Production volume index increased by 14.4 %, compared with the same period of the previous year. While compared with the previous quarter, this indicator seasonally adjusted increased by 6.0 %;
- The number of employees' index increased by 0.5 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator seasonally unadjusted increased by 2.4 %;
- Wages index increased by 2.3 %, compared with the same period of the previous year. Compared with the first quarter 2017, this indicator seasonally unadjusted increased by 5.2 %.

Fig. 1 Annual changes of Turnover volume index, Industry

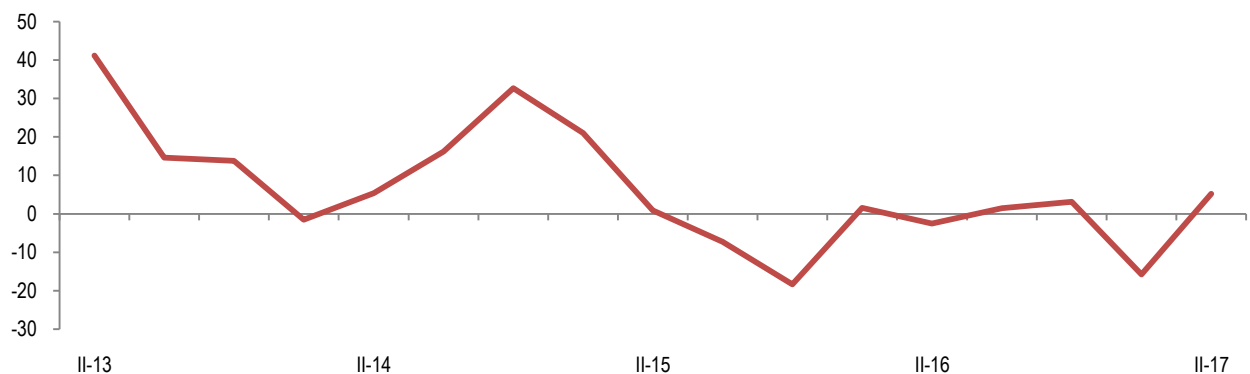


Electricity, gas, steam

Main quarterly indicators in Electricity, gas, steam activity in the second quarter 2017 (base year 2010=100), are presented as below:

- Turnover volume index increased by 5.2 %, compared with the same period of the previous year. This indicator seasonally adjusted increased by 9.6 %, compared with the previous quarter;
- Production volume index decreased by 3.4 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator seasonally adjusted increased by 74.8 %;
- The number of employees' index increased by 2.8 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator seasonally unadjusted increased by 3.8 %;
- Wages index increased by 21,1 %, compared with the same period of the previous year. Compared with the first quarter 2017, this indicator seasonally unadjusted increased by 4.0 %.

Fig. 2 Annual changes of Turnover volume index, Electricity, gas, steam

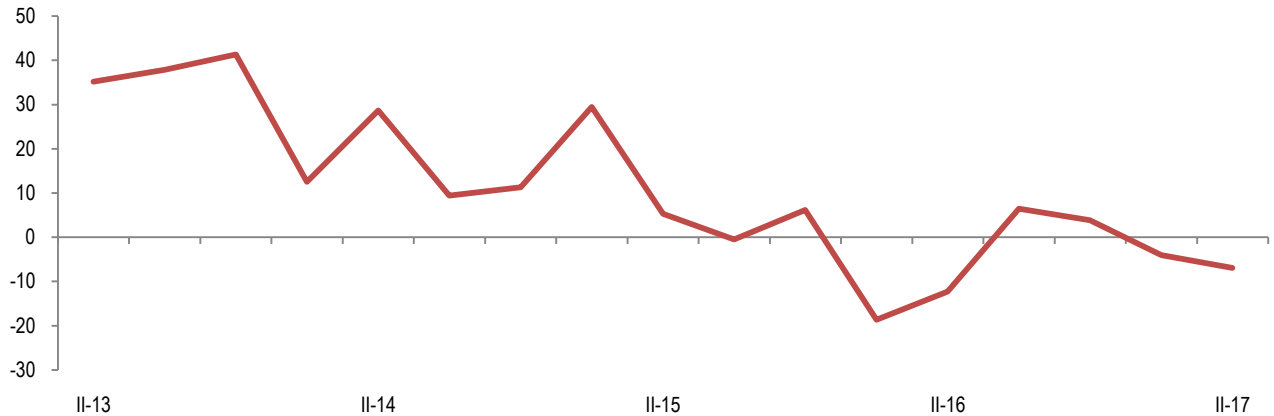


Water supply; sewerage. waste management and remediation activities

Main quarterly indicators in Water supply; sewerage. waste management and remediation activities activity, in the second quarter 2017 (base year 2010=100), are presented as follows:

- Turnover volume index decreased by 7.0 %, compared with the same period of the previous year. This indicator seasonally adjusted decreased by 1.3 %, compared with the previous quarter;
- Production volume index decreased by 8.3 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator seasonally adjusted decreased by 6.8 %;
- The number of employees' index increased by 11.0 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator seasonally unadjusted increased by 2.4 %;
- Wages index increased by 15.3 %, compared with the same period of the previous year. Compared with the first quarter 2017, this indicator seasonally unadjusted increased by 7.8 %.

Fig. 3 Annual changes in Turnover volume index, Water supply; sewerage, waste management and remediation activities;

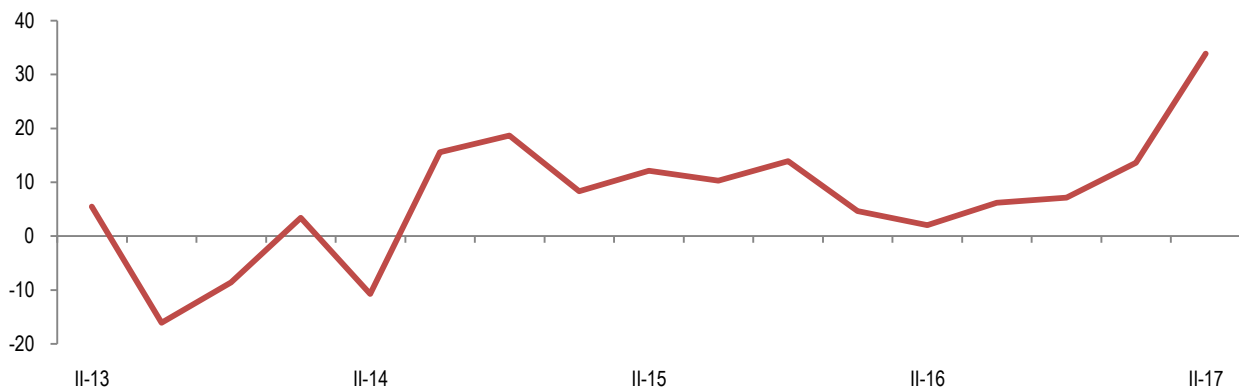


Construction

Main quarterly indicators in Construction activity, in the second quarter 2017 (base year 2010=100), are presented as below:

- Turnover volume index increased by 33.9 %, compared with the same period of the previous year. This indicator sesonally adjusted increased by 14.5 %, compared with the previous quarter;
- Production volume index increased by 32.9 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator sesonally adjusted increased by 10.1 %;
- The number of employees' index increased by 3.4 %, compared with the same period of the previous year. Compared with the previous quarter, this indicator sesonally unadjusted increased by 0.5 %;
- Wages index increased by 12.2 %, compared with the same period of the previous year. Compared with the fourth quarter 2016, this indicator sesonally unadjusted increased by 2.0 %.

Fig. 4 Annual changes in Turnover volume index, Construction



Tab.1 Turnover volume index, producers of goods (2010=100), seasonally unadjusted

NACE Rev.2			Economic activity			Q.2.17			II - 17			II - 17		
						Ø 2010			II - 16			I - 17		
B-C	05-33	Industry				111.3			6.9			6.1		
B	05-09	Mining and quarrying				141.3			16.3			-5.0		
C	10-33	Manufacturing				112.6			3.5			11.6		
D	35	Electricity, gas, steam				150.9			5.2			0.4		
E	36-39	Water supply; sewerage, waste management and remediation activities				158.0			-7.0			5.8		
F	41-43	Construction				129.2			33.9			41.3		
			Main Industrial Grouping											
			Intermediate goods			132.0			19.7			12.3		
			Energy			112.9			2.1			4.8		
			Capital goods			166.7			15.9			17.0		
			Durable consumer goods			114.2			-8.6			16.6		
			Non durable consumer goods			119.9			-4.4			4.0		

Tab.2 Turnover volume index, producers of goods (2010=100), seasonally adjusted

NACE Rev.2			Economic activity			Q.2.17			II - 17		
						Ø 2010			II - 16		
						I - 17					
B-C	05-33	Industry				116.2			11.2		-0.5
B	05-09	Mining and quarrying				156.4			26.7		-9.2
C	10-33	Manufacturing				113.2			3.6		1.3
D	35	Electricity, gas, steam				148.7			5.3		9.6
E	36-39	Water supply; sewerage. waste management and remediation activities				155.8			-6.8		-1.3
F	41-43	Construction				126.5			33.7		14.5
			Main Industrial Grouping								
			Intermediate goods			129.4			20.7		-4.1
			Energy			112.9			2.1		4.8
			Capital goods			173.6			14.6		3.9
			Durable consumer goods			128.3			-8.8		3.0
			Non durable consumer goods			122.8			-4.0		-2.1

Tab.3 Production volume index, producers of goods, seasonally unadjusted (2010=100)

NACE Rev.2			Economic activity			Q.2.17			II - 17		
						Ø 2010			II - 16		
						I - 17					
B-C	05-33	Industry				140.9			14.4		5.3
B	05-09	Mining and quarrying				159.5			32.5		-2.4
C	10-33	Manufacturing				120.5			3.6		12.2
D	35	Electricity, gas, steam				126.5			-3.4		-5.7
E	36-39	Water supply; sewerage. waste management and remediation activities				104.7			-8.3		-9.2
F	41-43	Construction				129.3			32.9		35.2

Tab.4 Production volume index, producers of goods, seasonally adjusted (2010=100)

NACE Rev.2			Economic activity			Q.2.17			II - 17		
						Ø 2010			II - 16		
						I - 17					
B-C	05-33	Industry				152.0			18.8		6.0
B	05-09	Mining and quarrying				192.7			45.7		16.0
C	10-33	Manufacturing				118.5			2.7		-0.3
D	35	Electricity, gas, steam				151.0			-4.5		74.8
E	36-39	Water supply; sewerage. waste management and remediation activities				111.6			-6.5		-6.8
F	41-43	Construction				133.1			39.6		10.1

Tab.5 Number of employees index, producers of goods (2010=100), seasonally unadjusted

(%)

NACE Rev.2		Economic activity	Q.2.17 Ø 2010	II - 17 II - 16	II - 17 I - 17
B-C	05-33	Industry	142.3	0.5	2.4
B	05-09	<i>Mining and quarrying</i>	104.3	9.4	4.1
C	10-33	<i>Manufacturing</i>	148.9	-0.7	2.1
D	35	Electricity, gas, steam	116.9	2.8	3.8
E	36-39	Water supply; sewerage. waste management and remediation activities	152.6	11.0	2.4
F	41-43	Construction	125.2	3.4	0.5

Tab.6 Wages index, producers of goods (2010=100), seasonally unadjusted

(%)

NACE Rev.2		Economic activity	Q.2.17 Ø 2010	II - 17 II - 16	II - 17 I - 17
B-C	05-33	Industry	175.4	2.3	5.2
B	05-09	<i>Mining and quarrying</i>	188.3	12.1	3.8
C	10-33	<i>Manufacturing</i>	168.4	-1.5	5.9
D	35	Electricity, gas, steam	191.6	21.1	4.0
E	36-39	Water supply; sewerage. waste management and remediation activities	178.7	15.3	7.8
F	41-43	Construction	154.9	12.2	2.0

Methodological elucidations

General Information

Information on the observation

Purpose – The short term statistics shows the trend of economic development of a country in quarterly periods by which the policy makers can develop a short term plan for the further development of the country. The development of the main indicators such as; industrial production, turnover, number of employees and wages in time series are described by this publication

Coverage- based on main economic activity the main activities covered in the STS survey for producer goods is as following:

- Industry - composed by Mining and quarrying and Manufacturing industry (05-33)
- Electricity, gas, and steam (35)
- Water supply; sewerage. waste management and remediation activities (36 - 39)
- Construction (41. 42. 43)

Model - The enterprises are selected from the Statistical Register of Enterprises. The enterprises with 1-9 employees are surveyed by sample survey. whereas the enterprises with 10 and more employees are surveyed exhaustively.

Data collection - The data are collected directly from enterprises with face to face interview through interviewers. The questionnaire is filled from the interviewers.

Indicators – The indicators are given in Index form. the quarterly changes are given in percentage. whereas the annual changes are given in percentage with reference to the base year. actually 2010=100. The data do not present absolute values.

Indexes – The indexes show the changes in time of a given variable. or of a group of variables. The Index Volume is calculated through the Laspeyres Formula. The indices are deflated with the proper price index by activities to avoid the prices impact. Such as the Industry indicator are deflated with Producer Price Index; Construction activity with Construction Cost Index; Hotel activity with Consumer Price Index. Transport with implicit price index calculated, etc.

The annual change in percentage - it measures in percentage the change of economic indicators of the actual quarter compared with the same quarter of the previous year.

The quarterly change in percentage – it measures in percentage the change of economic indicators of the actual quarter against compared with the previous quarter of the same year.

Revision – Indexes may be revised due to several reasons: additional information, the methodological changes or re-evaluation of the used coefficients etc.

Definition of the main indicators

Turnover is the total amount realized by enterprises during the month from the selling of goods, selling of own products and services excluded VAT.

Number of persons working includes all persons who actually work in the observed unit. There are included; owners and co-owners and family members that helps in the activity and employees in the end of the quarter.

Employment index – shows the evolution of employment in observation unit.

Wages and salaries – are defined as the total remunerations. in cash or in kind payable to all persons counted on the payrolls. in return for work done during the accounting period.

Index of wages and salaries – the gross wages and salaries index approximates the development of the wages and salaries bill.

Main industrial grouping are a regroup of: Mining and quarrying, Manufacturing and Electricity activities according to NACE Rev.2 as follows:

Total industry	NACE Rev.2
Intermediate goods	<ul style="list-style-type: none"> • 07-09 Mining of metal ores; Other mining and quarrying; Mining support service activities • 13000 Manufacturing of textiles • 16000 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials • 17000 Manufacture of paper and paper products • 20-21 Manufacturing of chemical and pharmaceutical products • 22000 Manufacture of rubber and plastics products • 23000 Manufacture of other non-metallic mineral products • 24000 Manufacture of basic metals • 255XX Forging, pressing, stamping and roll forming of metal; powder • 27000 Manufacturing of electrical equipment
Energy	<ul style="list-style-type: none"> • 05-06 Mining of coal and lignite; Extraction of crude petroleum and natural gas • 19000 Manufacture of coke and refined petroleum products • 35000 Electricity, gas, steam and air conditioning supply
Durable consumer goods	<ul style="list-style-type: none"> • 264XX Manufacture of consumer electronics • 31000 Manufacture of furniture • 32XXX Other industries n.e.c
Non-durable consumer goods	<ul style="list-style-type: none"> • 10000 Përpunimi i produkteve ushqimore • 11-12 Manufacture of beverages; Manufacture of tobacco products • 14000 Manufacture of wearing apparel • 15000 Manufacture of leather and related products • 18000 Printing and reproduction of recorded media • 32YYY Other industries n.e.c

Seasonal adjustment

Seasonal adjustment of quarterly time series of producer of materials goods is done by using JDemetra+ 2.1 version software. The chosen model for the decomposition of time series is X-12 ARIMA, under specification X-13, the span of time series is from 2005 to 2017. X-12 ARIMA model is totally based in moving average. In all time series is applied the multiplicative decomposition and the direct approach. During the process of seasonal adjustment are treated even the special case occurred during the time series span, identified by software as outlier.