



## QUARTERLY LABOUR COST INDEX THIRD QUARTER OF 2011

Preliminary data of NSI for the Third Quarter of 2011 indicated that the total hourly labour cost rose by 7.2% compared to the Third Quarter of 2010. The total hourly labour cost grew by 7.2% in industry, by 12.2% in services and by 5.3% in construction.

The breakdown by economic activities showed that the highest annual growths in total labour costs were recorded in 'Information and communication' - 21.2%, 'Professional, scientific and technical activities' - 19.7% and 'Wholesale and retail trade; repair of motor vehicles and motorcycles' - 17.4%, while the lowest annual growths were registered in 'Public administration and defence; compulsory social security' and 'Administrative and support service activities' respectively 2.7% and 0.6%. Decrease by 8.5% in total labour costs was observed in 'Real estate activities', 'Other service activities' by 6.6%, 'Education' and 'Human health and social work activities' by 1.0%.

In the structure of the total labour costs, the wages and salaries costs per hour worked grew by 7.3% in comparison with a year earlier, while the other (non-wage) costs rose by 6.8%. Among the economic activities in the Third Quarter of 2011 compared to the Third Quarter of 2010 the growth rate of wages and salaries component ranged from (-7.7%) in 'Real estate activities' to 20.8% in 'Information and communication'.

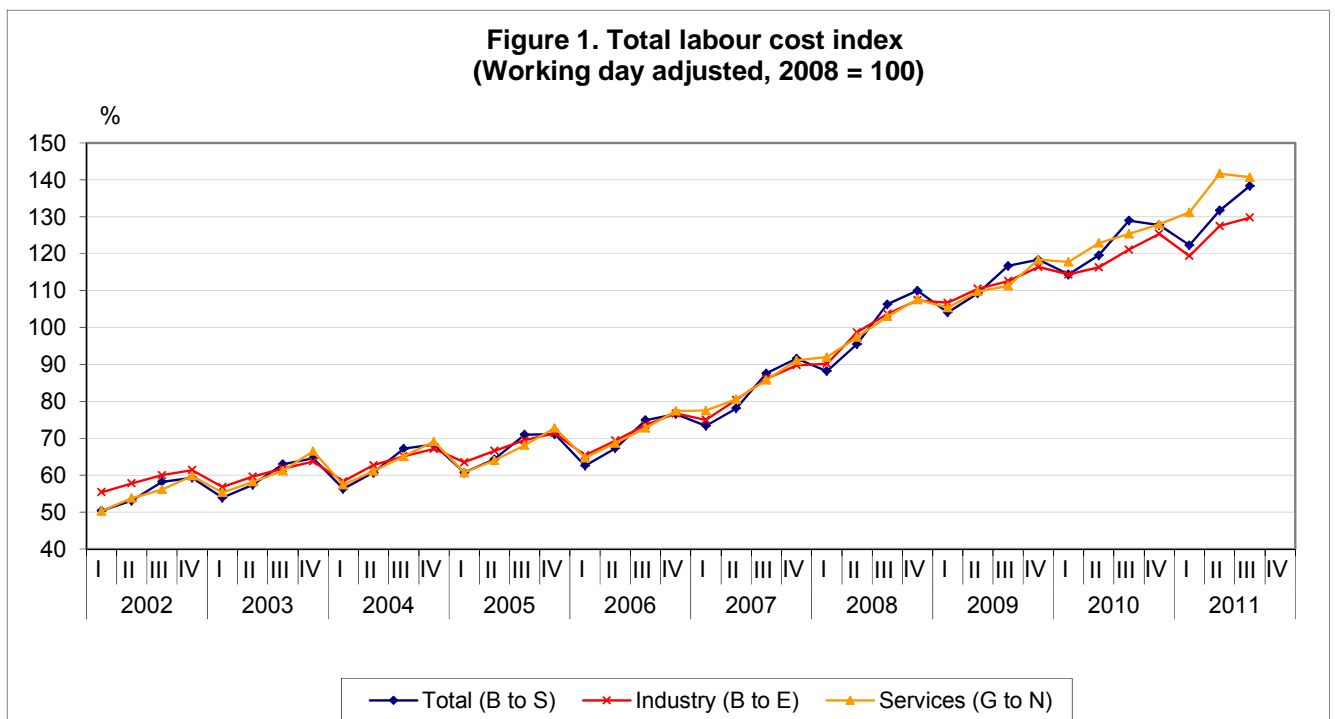




Table 1.

Hourly labour cost index for the period third quarter of 2009 - third quarter of 2011  
(Working day adjusted)

(Percentage change compared to corresponding period of the previous year)

Code NCEA - 2008 <sup>1</sup>	Economic activities	q3 2009 <sup>2</sup>			q4 2009 <sup>2</sup>			q1 2010 <sup>2</sup>			q2 2010 <sup>2</sup>			q3 2010 <sup>2</sup>			q4 2010 <sup>2</sup>			q1 2011 <sup>2</sup>			q2 2011 <sup>2</sup>			q3 2011 <sup>2</sup>		
		TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH	TOT	WAG	OTH
<b>B to S</b>	<b>All NACE branches except agriculture, fishing, private households with employed persons</b>	9.8	11.6	2.2	7.6	9.4	1.7	9.9	10.3	7.5	9.5	10.8	2.3	10.6	11.6	5.6	8.0	9.4	2.0	6.9	7.1	6.8	10.1	9.7	11.6	7.2	7.3	6.8
<b>B to E</b>	<b>Industry (except construction)</b>	8.6	10.3	2.2	8.4	10.6	2.5	7.2	7.8	3.6	5.2	6.9	-4.2	7.6	8.8	2.2	7.7	9.9	0.4	4.3	4.7	3.1	9.7	9.1	10.2	7.2	6.9	6.9
<b>G to N</b>	<b>Services (excluding public administration)</b>	8.0	9.7	0.2	10.0	12.0	2.0	11.7	12.2	8.9	11.9	13.7	3.0	12.7	14.1	4.9	8.2	9.5	1.1	11.4	11.8	10.0	15.3	15.2	15.8	12.2	12.3	11.6
B	Mining and quarrying	2.7	2.9	0.8	8.5	9.9	4.0	14.0	17.3	3.7	10.6	13.7	1.2	11.7	13.7	6.5	14.3	16.2	7.0	1.3	0.1	5.1	9.8	9.4	10.6	11.2	12.2	6.4
C	Manufacturing	8.8	10.4	1.1	9.2	11.5	2.3	6.5	7.3	2.7	5.1	7.4	-5.9	7.1	8.5	2.5	5.5	7.3	-1.0	4.5	4.8	2.9	9.7	8.8	11.0	7.4	7.1	6.6
D	Electricity, gas, steam and air conditioning supply	11.6	14.8	9.5	5.2	8.0	3.3	6.0	4.6	5.8	-0.4	-1.6	-3.1	9.1	9.6	-2.1	14.6	20.4	0.3	6.4	8.5	2.9	9.5	11.1	6.8	5.2	4.5	10.5
E	Water supply, sewerage, waste management and remediation activities	7.0	8.4	0.4	5.2	5.9	0.5	13.0	12.9	12.8	13.2	13.6	10.3	6.0	6.8	3.2	10.1	10.8	5.7	3.2	2.8	3.9	8.7	8.4	10.0	4.2	4.5	2.4
F	Construction	29.3	31.3	20.5	26.0	28.1	17.3	14.7	15.2	12.6	7.9	8.8	3.4	6.7	7.1	3.9	3.2	4.0	0.4	3.5	3.3	5.5	6.4	5.5	10.8	5.3	5.7	3.3
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	14.8	16.6	6.4	17.3	18.6	10.6	9.3	9.8	6.0	9.5	11.2	1.9	7.6	8.4	2.9	2.7	3.6	-1.9	18.1	17.8	19.9	24.6	23.9	27.7	17.4	17.8	17.0
H	Transportation and storage	6.6	8.3	-0.1	7.1	9.3	-3.0	4.9	4.8	5.6	7.1	7.2	6.4	11.5	14.3	0.4	8.5	10.0	0.9	9.2	10.0	3.9	10.9	12.2	4.6	6.2	5.9	7.7
I	Accommodation and food service	13.6	15.2	6.3	15.6	16.5	12.0	15.3	15.9	12.5	11.8	12.8	6.7	10.6	11.2	7.6	9.1	10.1	4.4	3.7	2.7	8.6	8.0	7.0	13.3	8.0	7.9	7.8
J	Information and communication	0.9	2.7	-7.4	-4.4	-0.5	-14.1	31.0	32.2	27.4	35.7	40.7	5.1	37.3	40.1	16.2	25.7	28.8	7.4	13.9	16.5	2.9	20.7	21.9	15.8	21.2	20.8	21.7
K	Financial and insurance activities	4.1	6.2	-5.9	9.3	11.7	-2.4	10.3	11.2	2.8	1.3	3.7	-11.2	6.2	6.8	1.0	6.4	7.3	0.7	0.7	0.6	3.2	4.7	4.3	8.0	4.6	5.7	-0.3
L	Real estate activities	17.1	20.9	2.8	18.1	21.7	5.4	16.8	18.6	5.5	15.5	17.5	2.5	17.6	18.3	9.1	15.5	17.7	4.8	5.5	6.2	3.9	4.3	3.1	12.7	-8.5	-7.7	-10.7
M	Professional, scientific and technical activities	-8.6	-8.1	-12.8	-6.4	-6.1	-7.4	19.0	18.5	20.5	26.5	29.3	16.3	25.9	27.2	18.3	25.7	28.0	13.9	17.8	19.6	11.1	15.6	15.4	16.1	19.7	19.7	19.0
N	Administrative and support service activities	13.5	15.4	4.5	23.6	26.2	11.7	3.4	3.6	2.1	4.9	6.0	-0.4	2.5	3.0	-0.3	-7.7	-7.5	-8.6	1.8	1.4	4.1	0.5	-0.5	5.3	0.6	0.5	1.4
O	Public administration and defence; compulsory social security	6.4	7.0	3.9	-13.1	-14.9	-3.8	9.8	9.1	13.7	14.0	13.9	12.1	15.0	16.1	9.9	12.3	14.7	4.8	6.7	6.1	10.0	2.8	1.9	6.1	2.7	1.8	5.1
P	Education	8.5	11.4	-2.0	3.2	5.5	-5.3	8.0	8.3	6.2	13.0	13.6	11.4	10.5	10.8	8.9	7.4	7.8	5.6	4.2	3.8	6.6	4.6	3.3	9.8	-1.0	-1.3	0.8
Q	Human health and social work activities	11.9	13.7	4.0	5.2	6.9	-2.2	8.2	8.0	8.8	6.6	7.3	2.6	8.8	8.8	8.8	9.5	9.9	7.6	-0.4	-1.2	3.6	-0.1	-0.7	3.9	-1.0	-0.7	-2.6
R	Arts, entertainment and recreation	20.6	27.4	-7.2	19.4	21.6	7.8	4.2	4.2	4.0	1.4	1.2	2.3	-5.0	-6.1	2.2	-8.8	-8.8	-9.6	7.9	7.4	9.7	10.6	9.8	14.3	10.5	11.2	6.9
S	Other service activities	12.7	14.6	5.9	16.5	18.4	9.0	26.4	27.5	20.8	17.0	17.0	11.7	23.3	24.1	20.9	17.6	19.3	9.4	-0.4	-2.4	8.2	-3.2	-4.5	3.0	-6.6	-7.1	-5.5

<sup>1</sup> NCEA - 2008 - National Classification of economic activities comparable with NACE Rev.2.

<sup>2</sup> Preliminary data.

TOT – Total labour costs

WAG – Wages and salaries costs

OTH – Other (non-wage) costs



Table 2.

**Labour Cost Index - Total labour costs for the period 2007 - 2011**  
(Working day adjusted, 2008=100)

(Per cent)

Code NCEA - 2008 <sup>1</sup>	Economic activities	2007 <sup>2</sup>				2008 <sup>2</sup>				2009 <sup>2</sup>				2010 <sup>2</sup>				2011 <sup>2</sup>			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>B to S</b>	<b>All NACE branches except agriculture, fishing, private households with employed persons</b>	73.4	78.1	87.6	91.6	88.2	95.5	106.3	110.0	104.1	109.3	116.7	118.4	114.4	119.6	129.0	127.8	122.3	131.7	138.4	
<b>B to E</b>	<b>Industry (except construction)</b>	75.0	80.4	86.1	89.8	90.2	98.7	103.7	107.4	106.7	110.5	112.6	116.4	114.4	116.3	121.1	125.4	119.4	127.5	129.8	
<b>G to N</b>	<b>Services (excluding public administration)</b>	77.5	80.6	85.8	91.1	92.0	97.4	103.0	107.6	105.4	109.8	111.3	118.4	117.8	122.9	125.4	128.0	131.2	141.7	140.7	
B	Mining and quarrying	74.3	76.4	83.1	93.6	89.1	93.5	97.5	104.2	99.3	97.3	100.1	113.1	113.1	107.6	111.8	129.2	114.6	118.1	124.3	
C	Manufacturing	75.8	80.1	86.8	89.5	91.5	98.1	103.9	105.8	108.1	109.8	113.1	115.5	115.1	115.4	121.0	121.8	120.3	126.6	130.0	
D	Electricity, gas, steam and air conditioning supply	67.4	82.7	80.9	86.0	80.3	103.8	101.5	113.8	102.9	125.0	113.3	119.7	109.1	124.5	123.6	137.2	116.1	136.3	130.1	
E	Water supply, sewerage, waste management and remediation activities	73.5	73.9	82.3	87.1	85.5	91.2	101.1	106.8	93.3	94.6	108.2	112.3	105.4	107.1	114.7	123.7	108.8	116.5	119.5	
F	Construction	75.8	77.6	81.7	86.5	92.4	94.3	97.5	108.1	124.3	122.8	126.1	136.1	142.7	132.5	134.6	140.5	147.7	140.9	141.8	
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	83.1	86.3	90.6	92.4	94.9	101.2	104.1	107.9	113.9	118.0	119.4	126.6	124.4	129.3	128.5	129.9	146.9	161.1	150.9	
H	Transportation and storage	76.0	78.6	87.6	92.4	89.4	92.5	102.2	106.3	105.6	106.1	109.0	113.8	110.8	113.6	121.5	123.5	120.9	126.1	129.1	
I	Accommodation and food service activities	82.4	85.9	88.5	93.2	98.3	99.7	100.8	106.9	112.7	115.9	114.5	123.6	129.9	129.6	126.6	134.9	134.6	139.9	136.6	
J	Information and communication	79.1	87.1	88.9	104.8	91.9	96.4	103.0	111.7	96.7	100.3	103.9	106.8	126.6	136.1	142.7	134.3	144.2	164.3	172.9	
K	Financial and insurance activities	73.8	79.5	86.2	92.7	89.2	100.0	99.0	105.3	93.2	109.2	103.0	115.1	102.7	110.6	109.4	122.5	103.5	115.8	114.4	
L	Real estate activities	75.2	79.6	85.2	93.1	89.3	98.3	102.7	111.3	111.5	121.3	120.2	131.4	130.2	140.1	141.3	151.8	137.4	146.1	129.3	
M	Professional, scientific and technical activities	65.8	64.0	70.1	72.6	83.9	90.1	107.6	108.4	92.9	91.7	98.4	101.5	110.6	116.0	123.9	127.5	130.2	134.0	148.3	
N	Administrative and support service activities	68.9	67.8	70.4	75.6	93.8	95.6	99.6	101.5	105.3	107.8	113.0	125.6	108.9	113.2	115.9	115.9	110.8	113.7	116.5	
O	Public administration and defence; compulsory social security	68.1	72.7	85.6	108.6	78.0	90.1	101.2	130.3	88.4	97.9	107.7	113.2	97.1	111.6	123.9	127.0	103.6	114.6	127.2	
P	Education	59.7	70.1	111.1	91.2	77.0	88.9	148.6	114.7	90.1	103.2	161.2	118.4	97.4	116.6	178.1	127.1	101.5	122.0	176.4	
Q	Human health and social work activities	71.1	77.4	86.1	90.1	84.0	92.0	105.8	112.7	105.1	112.1	118.4	118.6	113.6	119.5	128.9	129.9	113.2	119.4	127.6	
R	Arts, entertainment and recreation	68.6	68.7	83.6	83.5	82.6	91.9	109.5	110.6	104.6	111.1	132.1	132.0	109.0	112.7	125.5	120.4	117.6	124.6	138.6	
S	Other service activities	80.1	83.9	95.6	94.5	94.8	96.4	106.5	106.8	101.5	114.5	120.1	124.5	128.3	134.0	148.0	146.3	127.9	129.7	138.3	

<sup>1</sup> NCEA - 2008 - National Classification of economic activities comparable with NACE Rev.2.

<sup>2</sup> Preliminary data.



## Methodological notes

Labour Cost Index is a short-term indicator measuring the quarterly development of hourly labour costs incurred by the employers as a result of engaging the labour work force. The Quarterly Survey on employees, hours worked, wages and salaries and other expenditures paid by the employer is the main source used for the labour cost index data calculation.

**Labour cost index (LCI)** is defined as a Laspeyres index of labour costs per hour worked. Since first quarter of 2009 it is calculated broken down by economic activities at section level according to the new NACE Rev.2 classification and with a reference year 2008 = 100. Indices are based on Regulation (EC) 450/2003 of the European Parliament and of the Council according to which requirements Labour costs indices shall be provided separately for the following three labour costs categories:

**Total labour costs (TOT)**, which includes wages and salaries paid by the employer in cash or in kind, employers' actual and imputed social contribution plus taxes regarded as labour costs;

**Wage and salary costs (WAG)** covers wages and salaries paid in cash or in kind;

**Labour costs other than wages and salaries (OTH – non-wage costs)** include the employers' actual and imputed social contribution plus taxes regarded as labour costs;

### Economic activity coverage (NACE Rev.2):

- **Total (sections B to S)** - Mining and quarrying (B), Manufacturing (C), Electricity, gas, steam and air conditioning supply (D), Water supply, sewerage, waste management and remediation activities (E), Construction (F), Wholesale and retail trade; repair of motor vehicles and motorcycles (G), Transportation and storage (H), Accommodation and food service activities (I), Information and communication (J), Financial and insurance activities (K), Real estate activities (L), Professional, scientific and technical activities (M), Administrative and support service activities (N), Public administration and defence; compulsory social security (O), Education (P), Human health and social work activities (Q), Arts, entertainment and recreation (R), Other service activities (S);

- **Industry (section B to E)** - Mining and quarrying (B), Manufacturing (C), Electricity, gas, steam and air conditioning supply (D), Water supply, sewerage, waste management and remediation activities (E);

- **Services (sections G to N)** - Wholesale and retail trade; repair of motor vehicles and motorcycles (G), Transportation and storage (H), Accommodation and food service activities (I), Information and communication (J), Financial and insurance activities (K), Real estate activities (L), Professional, scientific and technical activities (M), Administrative and support service activities (N).

More methodological information on the labour cost index and data could be found on NSI official web page:  
<http://www.nsi.bg>