

## MONTHLY STATISTICAL BULLETIN

## OCTOBER 2016

Market capitalization : 112.919.312.938

Turnover: 271.876.233

Number of transactions: 1.457

MBI10: 2.078,84

↑5,84%

↑73,64%

↑51,77%

↑6,37%

## BASIC INDICATORS

TURNOVER (denars)	September 2016	October 2016	% of change
<b>TRADING IN BEST</b>	<b>120.705.291</b>	<b>225.476.294</b>	<b>86,80</b>
Shares	101.234.410	209.308.012	106,76
Bonds	19.470.881	16.168.282	-16,96
DAILY AVERAGE TURNOVER (denars)	5.747.871	11.867.173	106,46
DAILY AVERAGE NUMBER OF TRANSACTIONS	45	76	68,89
<b>BLOCK TRANSACTIONS</b>	<b>35.873.672</b>	<b>45.620.050</b>	<b>27,17</b>
<b>PUBLIC AUCTIONS</b>	<b>0</b>	<b>779.889</b>	<b>-</b>
<b>PUBLIC OFFERING</b>	<b>0</b>	<b>0</b>	<b>-</b>
<b>TOTAL</b>	<b>156.578.963</b>	<b>271.876.233</b>	<b>73,64</b>

## NUMBER OF TRANSACTIONS

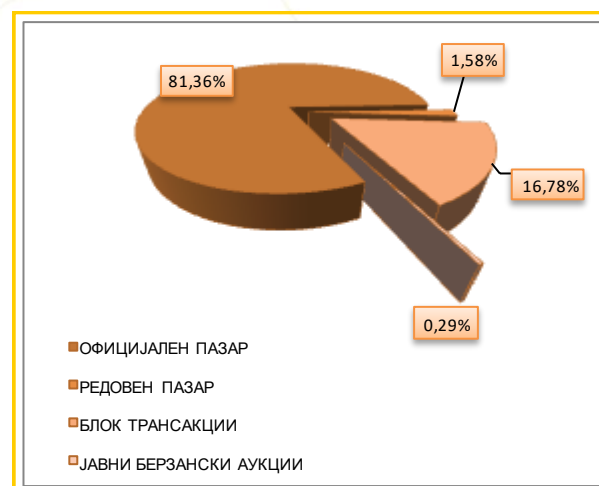
TRADING IN BEST	948	1.435	51,37
BLOCK TRANSACTIONS	12	17	41,67
PUBLIC AUCTIONS	0	5	-
PUBLIC OFFERING	0	0	-
<b>TOTAL</b>	<b>960</b>	<b>1.457</b>	<b>51,77</b>

## MARKET CAPITALIZATION (denars)

<b>MARKET CAPITALIZATION OF SHARES</b>	<b>106.683.825.778</b>	<b>112.919.312.938</b>	<b>5,84</b>
OFFICIAL MARKET-SHARES	103.266.076.573	109.510.782.013	6,05
MARKET OF JOINT STOCK COMPANIES WITH SPECIAL	3.417.749.205	3.408.530.925	-0,27
<b>MARKET CAPITALIZATION OF BONDS</b>	<b>4.411.253.642</b>	<b>4.417.542.619</b>	<b>0,14</b>
<b>TOTAL MARKET CAPITALIZATION</b>	<b>111.095.079.419</b>	<b>117.336.855.556</b>	<b>5,62</b>
<b>MBI10</b>	<b>1.954,40</b>	<b>2.078,84</b>	<b>6,37</b>
<b>OMB</b>	<b>127,39</b>	<b>126,62</b>	<b>-0,60</b>
<b>NUMBER OF LISTED SECURITIES</b>	<b>110</b>	<b>110</b>	<b>0,00</b>
<b>NUMBER OF TRADING DAYS</b>	<b>21</b>	<b>19</b>	<b>-9,52</b>

## TURNOVER STRUCTURE

Market segment	Turnover (denars)	Turnover (EUR)	%	Number of transactions
OFFICIAL MARKET	221.193.162	3.595.913	81,36	1.401
REGULAR MARKET	4.283.132	69.631	1,58	34
BLOCK TRANSACTIONS	45.620.050	741.774	16,78	17
PUBLIC AUCTIONS	779.889	12.683	0,29	5
PUBLIC OFFERING	0	0	0,00	0
<b>TOTAL</b>	<b>271.876.233</b>	<b>4.420.001</b>	<b>100,00</b>	<b>1.457</b>



## MONTHLY STATISTICAL BULLETIN

## 10 MOST LIQUID SHARES (Official market)

Issuer	Max (denars)	Min (denars)	Average price (denars)	Volume	Turnover (denars)	Turnover (EUR)	%	Num. of trans.	Market capitalization (denars)
Komercijalna banka AD Skopje	2.850,00	2.415,00	2.655,60	24.775	67.033.023	1.089.628	32,70	293	6.381.296.437
Granit AD Skopje	610,00	525,00	543,70	46.883	25.973.772	422.061	12,67	91	1.853.852.443
Makpetrol AD Skopje	25.999,00	24.000,00	24.454,87	716	17.716.586	288.043	8,64	107	2.865.723.019
Alkaloid AD Skopje	5.490,00	5.400,00	5.444,25	3.038	16.520.609	268.582	8,06	133	7.729.306.200
NLB banka AD Skopje	7.750,00	7.511,00	7.681,04	1.588	12.180.793	198.054	5,94	69	6.618.972.750
Prilepska Pivarnica AD Prilep	32.500,00	30.502,00	31.489,44	384	12.096.379	196.701	5,90	48	1.287.355.500
Stopanska banka AD Skopje	715,00	534,00	620,60	17.064	10.659.922	173.313	5,20	131	12.210.951.485
Skopski Pazar AD Skopje— preference	2.982,00	2.485,00	2.816,33	2.638	7.778.547	126.492	3,79	10	43.623.678
Skopski Pazar AD Skopje	12.647,00	10.453,00	11.587,16	440	5.106.374	83.036	2,49	10	858.408.637
Ohridska banka AD Skopje	4.000,00	3.320,00	3.717,65	922	3.458.544	56.229	1,69	40	1.754.344.000
Rest				141.791	26.500.331	430.871	12,93	415	67.906.947.863
<b>Total</b>				<b>240.239</b>	<b>205.024.880</b>	<b>3.333.011</b>	<b>100,00</b>	<b>1.347</b>	<b>109.510.782.013</b>

## TOP GAINERS / TOP LOSERS—OFFICIAL MARKET

Issuer	Average price (denars) 30.09.2016	Average price (denars) 31.10.2016	% of change
<b>TOP GAINERS</b>			
Skovin Skopje	50,00	100,00	100,00
Pekabesko Kadino, Ilinden	5.001,00	8.151,00	62,99
GD Tikves Kavadarci	100,00	161,00	61,00
Makosped Skopje	98,00	146,00	48,98
FZC 11 Oktomvri Kumanovo	408,00	601,00	47,30
<b>TOP LOSERS</b>			
Arcelormittal Skopje (HRM) Skopje	11,00	6,00	-45,45
Osiguruvanje Makedonija Skopje— Vienna Insurance Group	1.850,00	1.500,00	-18,92
ZK Pelagonija Bitola	1.745,00	1.530,00	-12,32
EMO Ohrid	14,00	13,00	-7,14
Hoteli Metropol Ohrid	183,00	174,00	-4,92

## OVERVIEW OF THE TRADING WITH BONDS

	HIGH (%)	LOW (%)	Last daily average price (%)	Last trading day	Volume (in EUR)	Turnover (denars)	Turnover (EUR)	Yield to maturity *
Government bonds-denationalization VIII issue (RMDEN08)	97,20	96,00	97,20	14.10.2016	12.776	758.924	12.342	3,86%
Government bonds-denationalization IX issue (RMDEN09)	96,50	93,20	96,50	31.10.2016	10.232	597.031	9.705	3,79%
Government bonds-denationalization X issue (RMDEN10)	95,40	95,40	95,40	05.10.2016	554	32.501	529	3,93%
Government bonds-denationalization XI issue (RMDEN11)	95,30	95,30	95,30	04.10.2016	2.879	168.721	2.744	4,20%
Government bonds-denationalization XI issue (RMDEN12)	95,00	94,00	94,52	14.10.2016	262	15.229	248	3,69%
Government bonds-denationalization XIII issue (RMDEN13)	94,00	93,00	94,00	26.10.2016	25.596	1.473.085	23.955	3,64%
Government bonds-denationalization XIV issue (RMDEN14)	93,00	91,00	91,00	28.10.2016	17.649	1.008.419	16.398	4,26%
Government bonds-denationalization XV issue (RMDEN15)	93,00	90,10	91,23	31.10.2016	213.009	12.114.373	196.982	4,02%

\* The model for calculation of annual average yield to maturity is adapted to the characteristics of the bonds. Calculation date is 31.10.2016 using the last average price of the bonds.

## MONTHLY STATISTICAL BULLETIN

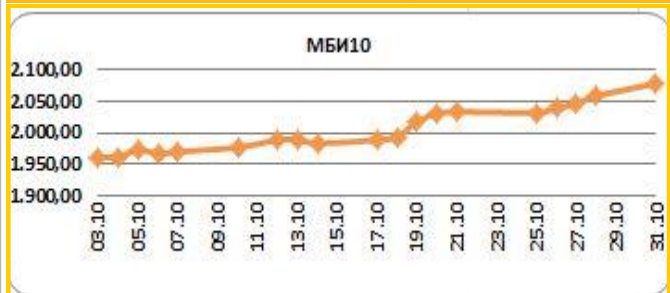
## MBI10

Value at 31.10.2016 2.078,84

MAX Value in October (31.10.2016) 2.078,84

MIN Value in October (03.10.2016) 1.961,23

% of change from 31.12.2015 13,40%

All about MBI10 on: <http://www.mse.com.mk/Indicies.aspx?Index=MBI10>

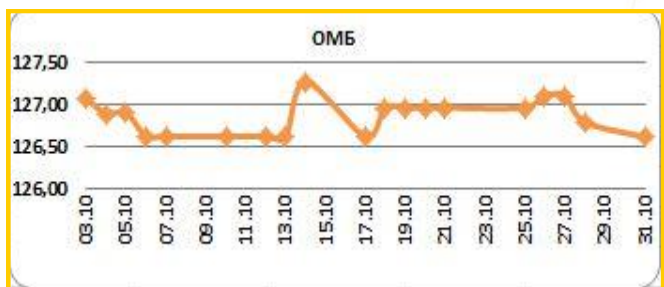
## OMB

Value at 31.10.2016 126,62

MAX Value in October (14.10.2016) 127,28

MIN Value in October (31.10.2016) 126,62

% of change from 31.12.2015 -1,37%

All about OMB on: <http://www.mse.com.mk/Indicies.aspx?Index=OMB>

Composition of MBI10	Turnover (denars)	Volume	Num. of trans.	Last average price	% of monthly change of price
Alkaloid AD Skopje	16.520.609	3.038	133	5.400,00	-0,83
Granit AD Skopje	25.973.772	46.883	91	603,59	14,63
Komercijalna banka AD Skopje	77.619.424	28.842	295	2.799,96	14,28
Makpetrol AD Skopje	17.716.586	716	107	25.499,84	4,67
Makedonijaturist AD Skopje	1.375.800	405	12	3.390,00	-2,89
Stopanska banka AD Skopje	10.659.922	17.064	131	699,36	30,48
Stopanska banka AD Bitola	1.506.360	1.244	22	1.250,00	8,66
Makedonski Telekom AD Skopje	2.089.616	7.788	42	270,00	0,00
Replek AD Skopje	927.000	22	12	42.000,00	0,00
NLB Tutunska banka AD Skopje	14.077.993	1.836	70	7.750,00	3,20

Composition of OMB	Turnover (denars)	Volume	Num. of trans.	Last average price	% of monthly change of price
Government bonds-denationalization VII issue (RMDEN07)		0	0	97,90	0,00
Government bonds-denationalization VIII issue (RMDEN08)	758.924	12.776	2	97,20	0,21
Government bonds-denationalization IX issue (RMDEN09)	597.031	10.232	4	96,50	0,52
Government bonds-denationalization X issue (RMDEN10)	32.501	554	1	95,40	2,14
Government bonds-denationalization XI issue (RMDEN11)	168.721	2.879	1	95,30	1,38
Government bonds-denationalization XII issue (RMDEN12)	15.229	262	2	94,52	0,55
Government bonds-denationalization XIII issue (RMDEN13)	1.473.085	25.596	4	94,00	1,08
Government bonds-denationalization XIV issue (RMDEN14)	1.008.419	17.649	5	91,00	-2,15
Government bonds-denationalization XV issue (RMDEN15)	12.114.373	213.009	35	91,23	-1,88



## MONTHLY STATISTICAL BULLETIN

## MBI10 LISTED COMPANIES RATIOS

Issuer	P/E Ratio <sup>1</sup>	Dividend yield <sup>2</sup>	Foreign investors participation in October 2016 <sup>3</sup>	Foreign investors participation in September 2016 <sup>3</sup>	Change
Alkaloid AD Skopje	11,50	4,30%	7,26%	7,22%	0,04%
Granit AD Skopje	5,28	3,48%	8,46%	9,60%	-1,14%
Komercijalna banka AD Skopje	12,20	4,45%	38,38%	38,76%	-0,38%
Makpetrol AD Skopje	1.402,39	0,00%	5,91%	5,90%	0,01%
Makedonijaturist AD Skopje	11,29	6,10%	1,10%	1,15%	-0,05%
Stopanska banka AD Skopje	6,06	0,00%	92,96%	92,97%	-0,01%
Stopanska banka AD Bitola	62,32	0,00%	4,31%	4,31%	0,00%
Makedonski Telekom AD Skopje	20,82	6,33%	1,51%	1,51%	0,00%
Replek AD Skopje	11,81	5,88%	18,44%	18,44%	0,00%
NLB Tutunska banka AD Skopje	8,00	8,75%	90,27%	90,35%	-0,08%

[1] Share price at last day of trading in currently month,/ Earnings per share

[2]The ratios are calculated using the data from the last published Audited financial reports and last paid dividend.

## FOREIGN INVESTORS—OFFICIAL MARKET

	Foreign Legal investors October 2016	Foreign private investors October 2016	Total Foreign entities October 2016	Total Foreign entities September 2016	Change
Shares[3]	35,23%	1,29%	36,52%	36,58%	-0,06%
Bonds[4]	0,00%	0,07%	0,07%	0,07%	0,00%
<b>Total Official market</b>	<b>33,69%</b>	<b>1,24%</b>	<b>34,93%</b>	<b>34,99%</b>	<b>-0,06%</b>

[3] Data as last day of trading in currently month according to the Central Securities Depository, regarding the participation of the foreign investors in the number of shares.

[4]Data as last day of trading in currently month according to the Central Securities Depository, regarding the participation of the foreign investors in the total nominal value of bonds.

## FOREIGN AND DOMESTIC INVESTORS IN THE TOTAL TURNOVER [5] \*

	BUYING % of total	SELLING% of total
Foreign private investors	2,82%	2,61%
Foreign Legal investors	3,59%	21,79%
<b>Total Foreign Legal entities</b>	<b>6,41%</b>	<b>24,41%</b>
Domestic private investors	47,98%	55,51%
Domestic Legal investors	45,61%	20,08%
<b>Total Domestic Legal entities</b>	<b>93,59%</b>	<b>75,59%</b>

[5]Data as last day of trading in currently month according to the Central Securities Depository, regarding the participation of the foreign and domestic investors in the total turnover.

## TURNOVER PER MEMBERS / in denars

Member	Code	Trading in BEST system	% of trading in BEST sys.	Block (denars)	% block	Public auctions	% of Public auctions	Public offering	% of Public offering	Total
Komercijalna banka AD Skopje	KB	130.488.145	28,94	44.943.912	49,26	0	0,00	0	0	175.432.057
ILIRIKA INVESTMENTS AD Skopje	IL	140.856.935	31,24	25.401.856	27,84	0	0,00	0	0	166.258.791
NLB Banka Skopje	TN	36.495.506	8,09	3.794.400	4,16	0	0,00	0	0	40.289.906
Eurohaus AD Skopje	EH	29.447.574	6,53	8.274.250	9,07	0	0,00	0	0	37.721.824
INOVO BROKER AD Skopje	IN	29.861.313	6,62	6.824.856	7,48	21.264	2,73	0	0	36.707.433
Stopanska banka AD Skopje	SB	29.028.246	6,44	0	0,00	62.229	7,98	0	0	29.090.475
Invest broker AD Skopje	MI	19.312.204	4,28	0	0,00	696.396	89,29	0	0	20.008.600
TTK Banka AD Skopje	TK	18.208.213	4,04	0	0,00	0	0,00	0	0	18.208.213
Fersped Broker AD Skopje	FR	12.406.389	2,75	2.000.826	2,19	0	0,00	0	0	14.407.215
Eurostandard Banka AD Skopje	ES	4.848.063	1,08	0	0,00	0	0,00	0	0	4.848.063
<b>Total</b>		<b>450.952.587</b>	<b>100,00</b>	<b>91.240.100</b>	<b>100,00</b>	<b>779.889</b>	<b>100,00</b>	<b>0</b>	<b>100</b>	<b>542.972.576</b>

Turnover via BEST system and turnover in block trades is calculated on the basis of double counting, in order to include the executed cross trades by the MSE members in the structure of the overall MSE turnover. As since July 13, during the government auctions on the selling side there is no brokers (i.e. MSE performs this role), the turnover derived from government auctions is still calculated on the basis of single counting.



# MONTHLY STATISTICAL BULLETIN

## AS A REMINDER

The product of the Macedonian Stock Exchange **BESTNET ANALYTICS** is a modern internet service that helps investors in building well-founded investment strategies and in bringing valuable investment decisions.

### BESTNET ANALYTICS contains:

- Data for more than **100** companies traded on the Macedonian Stock Exchange
- More than **70** different financial indicators of companies and more than **40** indicators for banks
- Monitoring and comparing the values for the last **3** years
- Tracking results by quarters
- Data in den, euros and dollars
- Data for paid dividends from companies for the last **4** years
- Data for the major shareholders of the company
- Data for management bodies of the company
- Data for related companies
- Comparison and monitoring of a large number of financial indicators
- Monitoring indicators by sectors and industries
- Graphic display of technical indicators
- Over **40** technical indicators and oscillators
- Monitoring of investments, determining their current value
- Calculation of gains / losses from unrealized transactions
- Calculation of gains / losses from trades executed
- Simulated portfolios

Шифра на XB	Датум на трансакција	Број на трансакција	Количина	Куповна вредност - акумул. (во ден.)	Датум на последна цена	Последна просечна цена	Вкупна вредност (во ден.)	Нереализирана добитка / загуба (во ден.)	% промена од купување на хв	% од вредноста на акумул. вложувања
GRNT	17.02.2009	X52515136					1.800.000,00	133,33%	3,74%	
TEL	11.06.2009	1235649	600,00	360.000,00	11.2009	653,11	391.866,00	8,85%	1,00%	

Шифра на XB	Датум на трансакција	Број на трансакција	Количина	Куповна вредност - акумул. (во ден.)	Датум на последна цена	Последна просечна цена	Вкупна вредност (во ден.)	Нереализирана добитка / загуба (во ден.)	% промена од купување на хв	% од вредноста на акумул. вложувања
МПТ	14.08.2009	1314-9	100,00	6.500.000,00	21.01.2009	120.334,50	12.033.450,00	85,13%	18,02%	
КМБ	11.05.2009	кнб					9.896.310,00	48,87%	56,15%	
ЗЛКО	28.05.2009	злко					2.730.285,00	79,01%	9,70%	
АЛК	10.11.2009	алк-продај	1.000,00	4.800.000,00	21.01.2009	10.614,52	6.614.520,00	165,31%	11,09%	
РМДЕН01	11.07.2008	1919	2.250,00	107.092,08	27.11.2007	85,00	117.886,38	11,19%	10,08%	0,30%

Тип на хартија	Датум на трансакција	Број на трансакција	Количина	Куповна цена (во %)	Номинална вредност	Куповна вредност (во ден.)	Купена акумул. камата (во ден.)	Трансакциски трошоци (во ден.)
Лазарен сегмент								
Лазарен подсегмент								
Тип на хв								
ISIN број								
Вкупни издадени хв								
Шифра на хв								
Номинална вредност								

For more information on : [www.bestnet.com.mk](http://www.bestnet.com.mk)

The product of the Macedonian Stock Exchange **MB Monitor** is an Internet service aimed for informing and educating the public for issues from area of market securities.

Берза	Датум	Вкупен промет ЕУР	Датум	Вкупен промет ЕУР	% на промена во однос на припадниот трговски ден
Македонска Берза АД Скопје	20.02.2012	286.899	21.02.2012	297.967	0,36
Београдска берза а.д. Београд	20.02.2012	686.844	21.02.2012	688.889	19,49
Загребачка берза а.д. Загреб	20.02.2012	1.860.296	21.02.2012	1.847.965	52,85
Либанска берза, д.о.о. Либијана	20.02.2012	666.636	21.02.2012	670.976	45,28
Варшавска берза	20.02.2012	131.573	21.02.2012	131.959	-0,16
Биржа на берза	20.02.2012	64.646	21.02.2012	70.286	12,19
Бостонска берза АО	20.02.2012	88.175	21.02.2012	11.882	-26,81

Индекс	Датум	Вредност на индекс	Датум	Вредност на индекс	% на промена во однос на припадниот трговски ден	% на месечна промена	% на тримесечна промена	% на годишна промена
INDEX	20.02.2012	2.092,75	21.02.2012	2.079,88	-0,61	2,09	10,12	2,92
BELX	20.02.2012	341,82	21.02.2012	338,18	-1,07	0,30	7,43	7,84
STOEX	20.02.2012	1.736,40	21.02.2012	1.754,16	1,00	1,40	1,56	0,40
WVTOX	20.02.2012	379,01	21.02.2012	369,49	-4,88	-0,29	-5,32	-4,09
BIAX	20.02.2012	802,80	21.02.2012	815,77	1,59	0,42	-4,13	-7,48
INDEX10	20.02.2012	788,65	21.02.2012	788,79	0,08	-1,81	-1,87	-6,81
INDEX 20	20.02.2012	9.630,81	21.02.2012	9.595,46	-0,37	0,77	-2,72	-2,90
BOFX	20.02.2012	332,08	21.02.2012	309,26	-6,42	-0,30	-4,22	-3,99
ATX	20.02.2012	2.360,68	21.02.2012	2.214,68	-1,19	1,36	6,83	17,68
CASAX	20.02.2012	3.472,54	21.02.2012	3.465,24	-0,21	2,31	5,03	9,47
DXK	20.02.2012	6.948,25	21.02.2012	6.938,18	-0,15	2,22	6,96	17,12
FTSEM50	20.02.2012	9.980,21	21.02.2012	9.930,26	-0,50	0,81	4,34	6,39
FTSEMIBV	20.02.2012	12.948,87	21.02.2012	12.963,69	0,12	0,48	2,63	6,12
IBEX35	20.02.2012	1.981,23	21.02.2012	1.980,21	-0,07	0,31	3,79	8,32
INDEX 200	20.02.2012	6.486,04	21.02.2012	6.460,83	-0,39	2,49	7,89	11,62

### MB Monitor contains:

- Daily reports with summary data from trading at Macedonian Stock Exchange
- Weekly reports with summary data from trading at Macedonian Stock Exchange
- Daily reports with data from trading on regional stock exchanges
- Monthly reports with data from trading on regional stock exchanges
- Data presented in Excel, Power Point, Word

For more information on : [www.mbmonitor.com.mk](http://www.mbmonitor.com.mk)