

## MONTHLY STATISTICAL BULLETIN

## NOVEMBER 2018

Market capitalization : 163.725.833.393

Turnover: 356.200.666

Number of transactions: 1.804

MBI10: 3.468,52

↓1,47%

↓50,19%

↓29,91%

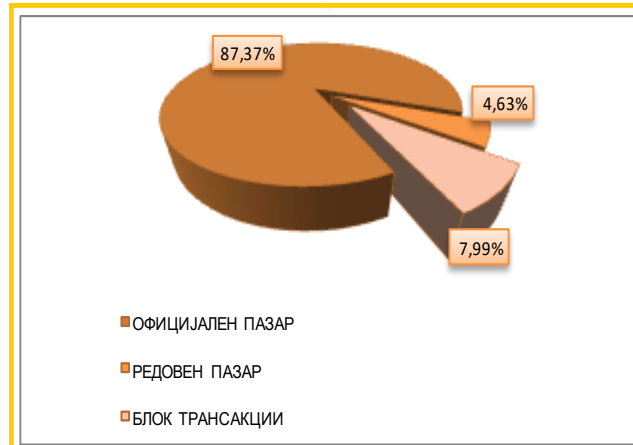
↓2,69%

## BASIC INDICATORS

TURNOVER (denars)	October 2018	November 2018	% of change
<b>TRADING IN BEST</b>	<b>568.838.626</b>	<b>327.722.888</b>	<b>-42,39</b>
Shares	528.112.415	321.646.078	-39,10
Bonds	40.726.211	6.076.810	-85,08
DAILY AVERAGE TURNOVER (denars)	<b>27.087.554</b>	<b>14.896.495</b>	<b>-45,01</b>
DAILY AVERAGE NUMBER OF TRANSACTIONS	<b>122</b>	<b>82</b>	<b>-32,79</b>
<b>BLOCK TRANSACTIONS</b>	<b>133.845.900</b>	<b>28.477.778</b>	<b>-78,72</b>
<b>PUBLIC AUCTIONS</b>	<b>12.431.673</b>	<b>0</b>	<b>-</b>
<b>PUBLIC OFFERING</b>	<b>0</b>	<b>0</b>	<b>-</b>
<b>TOTAL</b>	<b>715.116.199</b>	<b>356.200.666</b>	<b>-50,19</b>
<b>NUMBER OF TRANSACTIONS</b>			
<b>TRADING IN BEST</b>	2.548	1.794	-29,59
<b>BLOCK TRANSACTIONS</b>	17	10	-41,18
<b>PUBLIC AUCTIONS</b>	9	0	-
<b>PUBLIC OFFERING</b>		0	-
<b>TOTAL</b>	<b>2.574</b>	<b>1.804</b>	<b>-29,91</b>
<b>MARKET CAPITALIZATION (denars)</b>			
<b>MARKET CAPITALIZATION OF SHARES</b>	<b>166.171.956.507</b>	<b>163.725.833.393</b>	<b>-1,47</b>
OFFICIAL MARKET-SHARES	162.775.325.342	160.329.202.228	-1,50
MARKET OF JOINT STOCK COMPANIES WITH SPECIAL	3.396.631.165	3.396.631.165	0,00
<b>MARKET CAPITALIZATION OF BONDS</b>	<b>3.378.332.367</b>	<b>3.381.170.542</b>	<b>0,08</b>
<b>TOTAL MARKET CAPITALIZATION</b>	<b>169.550.288.873</b>	<b>167.107.003.935</b>	<b>-1,44</b>
<b>MBI10</b>	<b>3.564,50</b>	<b>3.468,52</b>	<b>-2,69</b>
<b>OMB</b>	<b>130,66</b>	<b>130,35</b>	<b>-0,24</b>
<b>NUMBER OF LISTED SECURITIES</b>	<b>106</b>	<b>105</b>	<b>-0,94</b>
<b>NUMBER OF TRADING DAYS</b>	<b>21</b>	<b>22</b>	<b>4,76</b>

## TURNOVER STRUCTURE

Market segment	Turnover (denars)	Turnover (EUR)	%	Number of transactions
OFFICIAL MARKET	311.224.629	5.061.113	87,37	1.776
REGULAR MARKET	16.498.259	268.292	4,63	18
BLOCK TRANSACTIONS	28.477.778	463.097	7,99	10
PUBLIC AUCTIONS	0	0	0,00	0
PUBLIC OFFERING	0	0	0,00	0
<b>TOTAL</b>	<b>356.200.666</b>	<b>5.792.502</b>	<b>100,00</b>	<b>1.804</b>



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## 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	5.451,00	4.996,00	5.256,78	16.337	85.797.745	1.395.243	28,12	384	11.405.659.174
Stopanska banka AD Skopje	1.300,00	1.185,00	1.255,41	51.293	62.905.383	1.022.975	20,61	269	21.827.145.620
Makpetrol AD Skopje	51.000,00	47.000,00	48.093,42	440	21.448.686	348.793	7,03	115	5.338.145.000
Alkaloid AD Skopje	8.350,00	8.100,00	8.220,92	2.543	21.011.300	341.679	6,89	135	11.657.726.076
Ohridska banka AD Skopje	6.870,00	6.580,00	6.675,11	2.676	17.953.311	291.959	5,88	60	3.407.910.000
Granit Skopje	865	805	835,5	21.032	17.718.273	288.130	5,81	112	2.482.778.312
Teteks Tetovo	2.500,00	2.140,00	2.402,31	4.536	10.982.283	178.590	3,60	48	1.035.013.329
TTK banka Skopje	1.350,00	1.200,00	1.270,39	8.480	10.703.389	174.059	3,51	61	1.134.741.975
Stopanska banka AD Bitola	2.700,00	1.949,00	2.356,73	3.944	9.705.497	157.827	3,18	61	762.397.330
Makedonijaturist AD Skopje	5.299,00	4.850,00	5.013,11	1.923	9.621.695	156.466	3,15	39	2.258.973.765
Rest				66.167	37.201.457	604.965	12,19	448	99.018.711.648
<b>Total</b>				<b>179.371</b>	<b>305.049.019</b>	<b>4.960.686</b>	<b>100,00</b>	<b>1.732</b>	<b>160.329.202.228</b>

## TOP GAINERS / TOP LOSERS—OFFICIAL MARKET

Issuer	Average price (denars) 31.10.2018	Average price (denars) 30.11.2018	% of change
<b>TOP GAINERS</b>			
Skovin Skopje	201,00	500,00	148,76
Ading Skopje	560,00	700,00	25,00
Centralna kooperativna banka Skopje	600,00	700,00	16,67
Stopanska banka Skopje-preference shares	1.200,00	1.371,92	14,33
Arcelormittal Skopje (CRM) Skopje	57,00	62,88	10,32
<b>TOP LOSERS</b>			
Makosped Skopje	236,00	169,00	-28,39
Stopanska banka Bitola	2.598,23	1.949,98	-24,95
OKTA Skopje	5.137,00	4.350,74	-15,31
RZ Uslugi Skopje	130,29	110,56	-15,14
Beton Skopje	10.346,34	9.000,00	-13,01

## 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 IX issue (RMDEN09)	98,30	98,30	98,30	06.11.2018	394	23.817	387	3,75%
Government bonds-denationalization X issue (RMDEN10)	97,40	97,40	97,40	06.11.2018	165	9.883	161	3,81%
Government bonds-denationalization XI issue (RMDEN11)	97,30	97,30	97,30	06.11.2018	660	39.491	642	3,11%
Government bonds-denationalization XIV issue (RMDEN14)	97,60	96,30	97,60	28.11.2018	8.901	530.572	8.628	2,73%
Government bonds-denationalization XV issue (RMDEN15)	97,20	96,50	97,20	28.11.2018	7.410	441.882	7.186	2,76%
Government bonds-denationalization XVI issue (RMDEN16)	96,40	96,00	96,00	28.11.2018	41.100	2.427.305	39.472	2,98%
Government bonds-denationalization XVII issue (RMDEN17)	96,70	96,40	96,50	30.11.2018	43.881	2.603.861	42.344	2,79%

\* The model for calculation of annual average yield to maturity is adapted to the characteristics of the bonds. Calculation date is 31.11.2018 using the last average price of the bonds.

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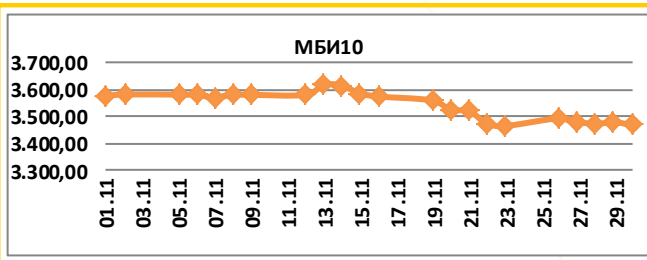
## MBI10

Value at 30.11.2018 3.468,52

MAX Value in November (13.11.2018) 3.617,72

MIN Value in November (23.11.2018) 3.464,16

% of change from 28.12.2017 36,62%

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

## Composition of MBI10

Composition of MBI10	Turnover (denars)	Volume	Num. of trans.	Last average price	% of monthly change of price
Alkaloid AD Skopje	21.011.300	2.543	135	8.144,55	-1,85
Granit AD Skopje	17.718.273	21.032	112	808,36	-3,77
Komercijalna banka AD Skopje	95.674.795	18.262	390	5.004,53	-7,36
Makpetrol AD Skopje	21.448.686	440	115	47.500,00	-1,04
Makedonijaturist AD Skopje	9.621.695	1.923	39	4.995,00	-3,38
Stopanska banka AD Skopje	62.905.383	51.293	269	1.250,11	6,24
TTK banka AD Skopje	17.307.389	13.680	62	1.249,87	-3,86
Makedonski Telekom AD Skopje	3.919.349	13.225	40	290,00	0,36
Ohridska banka AD Skopje	17.953.311	2.676	60	6.600,00	0,22
NLB Banka AD Skopje	6.700.116	461	36	14.149,79	-4,39

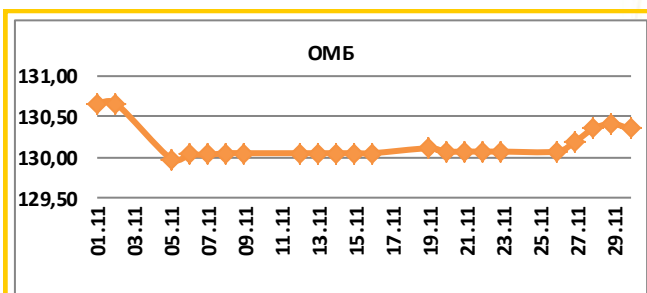
## OMB

Value at 30.11.2018 130,35

MAX Value in November (02.11.2018) 130,66

MIN Value in November (05.11.2018) 129,98

% of change from 28.12.2017 1,38%

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

## Composition of OMB

Composition of OMB	Turnover (denars)	Volume	Num. of trans.	Last average price	% of monthly change of price
Government bonds-denationalization IX issue (RMDEN09)	23.817	394	1	98,30	0,31
Government bonds-denationalization X issue (RMDEN10)	9.883	165	1	97,40	-1,22
Government bonds-denationalization XI issue (RMDEN11)	39.491	660	1	97,30	0,31
Government bonds-denationalization XII issue (RMDEN12)	0	0	0	97,00	0,00
Government bonds-denationalization XIII issue	0	0	0	97,50	0,00
Government bonds-denationalization XIV issue	530.572	8.901	5	97,60	1,67
Government bonds-denationalization XV issue	441.882	7.410	3	97,20	0,73
Government bonds-denationalization XVI issue (RMDEN16)	2.427.305	41.100	16	96,00	-1,74
Government bonds-denationalization XVII issue (RMDEN17)	2.603.861	43.881	15	96,50	0,10



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## MBI10 LISTED COMPANIES RATIOS

Issuer	P/E Ratio <sup>1</sup>	Dividend yield <sup>2</sup>	Foreign investors participation in November 2018	Foreign investors participation in October 2018	Change
Alkaloid AD Skopje	14,34	3,33%	5,54%	5,54%	0,00%
Granit AD Skopje	18,20	3,41%	7,25%	7,26%	-0,01%
Komercijalna banka AD Skopje	13,09	3,71%	6,23%	6,25%	-0,02%
Makpetrol AD Skopje	16,74	2,13%	1,63%	1,68%	-0,05%
Makedonijaturist AD Skopje	20,26	4,22%	0,95%	0,95%	0,00%
Stopanska banka AD Skopje	10,75	9,30%	92,42%	92,44%	-0,02%
TTK banka AD Skopje	11,28	8,36%	1,42%	1,47%	-0,05%
Makedonski Telekom AD Skopje	20,47	6,23%	1,50%	1,50%	0,00%
Ohridska banka AD Skopje	9,56	1,05%	76,04%	76,05%	-0,01%
NLB banka AD Skopje	5,63	4,44%	88,98%	88,98%	0,00%

[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

November 2018	Foreign Legal investors November 2018	Foreign private investors November 2018	Total Foreign entities November 2018	Total Foreign entities October 2018	Change
Shares[3]	34,62%	1,26%	35,88%	35,64%	0,24%
Bonds[4]	0,12%	0,14%	0,25%	0,32%	-0,07%
<b>Total Official market</b>	<b>33,39%</b>	<b>1,22%</b>	<b>34,60%</b>	<b>34,43%</b>	<b>0,17%</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	0,50%	2,32%
Foreign Legal investors	0,08%	3,38%
<b>Total Foreign Legal entities</b>	<b>0,58%</b>	<b>5,70%</b>
Domestic private investors	59,89%	67,54%
Domestic Legal investors	39,53%	26,76%
<b>Total Domestic Legal entities</b>	<b>99,42%</b>	<b>94,30%</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
Ilirika Investments AD Skopje	IL	211.446.775	32,26	15.518.700	27,25	0	0,00	0	0,00	226.965.475
TTK Bank Skopje	TK	102.044.645	15,57	1.790.000	3,14	0	0,00	0	0,00	103.834.645
Komercijalna banka AD Skopje	KB	80.331.776	12,26	8.422.600	14,79	0	0,00	0	0,00	88.754.376
Eurohaus AD Skopje	EH	66.055.535	10,08	13.208.000	23,19	0	0,00	0	0,00	79.263.535
Stopanska banka AD Skopje	SB	56.301.192	8,59	0	0,00	0	0,00	0	0,00	56.301.192
NLB Banka AD Skopje	TN	53.386.652	8,15	0	0,00	0	0,00	0	0,00	53.386.652
Invest broker Skopje	MI	45.320.561	6,91	0	0,00	0	0,00	0	0,00	45.320.561
Inovo broker AD Skopje	IN	17.967.996	2,74	18.016.256	31,63	0	0,00	0	0,00	35.984.252
Sparkase banka Makedonija AD Skopje	SP	12.813.516	1,95	0	0,00	0	0,00	0	0,00	12.813.516
Eurostandard Banka AD Skopje	ES	5.628.078	0,86	0	0,00	0	0,00	0	0,00	5.628.078
Fersped broker AD Skopje	FR	4.149.050	0,63	0	0,00	0	0,00	0	0,00	4.149.050
<b>Total</b>		<b>655.445.775</b>	<b>100,00</b>	<b>56.955.556</b>	<b>100,00</b>	<b>0</b>	<b>100,00</b>	<b>0</b>	<b>100,00</b>	<b>712.401.331</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.

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## 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 - вкупно (во ден.)	Датум на последна цена	Последна просечна цена	Вкупна вредност (во ден.)	Нереализирана добитка / загуба (во ден.)	% промена од вкупување на XB	% од вредноста на вкупните вложувања
<b>скратен преглед на поединечна трансакција</b>										
GRNT	17.02.2009	X52515136	600,00	360.000,00	21.01.2009	653,11	391.866,00	1.800.000,00	133,33%	3,74%
TELE	11.06.2009	1235649	600,00	360.000,00	21.01.2009	653,11	391.866,00	31.866,00	8,85%	1,00%
<b>детален преглед на поединечна трансакција</b>										
Македонски Телеком Скопје (TELE)										
Тип на хартија	Share		Куповна вредност - вкупно (во ден.)		360.000,00					
Датум на трансакција	11.06.2009		Датум на последна цена		21.01.2009					
Број на трансакција	1235649		Последна просечна цена		653,11					
Количина	600,00		Нето вредност (во ден.)		391.866,00					
Куповна цена (во ден.)	600,00		Акумулирана камата (во ден.)		0,00					
Номинална вредност	0,00 MKD		Вкупна вредност (во ден.)		391.866,00					
Куповна вредност (во ден.)	360.000,00		Нереализирана добитка / загуба (во ден.)		31.866,00					
Купена акумул. камата (во ден.)	0,00		% промена од купување на XB		8,85%					
Трансакциони трошоци (во ден.)	500,00		% од вредноста на вкупните вложувања		1,00%					
P.Македонија - денационализација 01 (PMDE01)										
Тип на хартија	Bond		Куповна вредност - вкупно (во ден.)		107.092,08					
Датум на трансакција	11.07.2008		Датум на последна цена		27.11.2007					
Број на трансакција	1919		Последна просечна цена		85,00					
Количина	2.250,00		Нето вредност (во ден.)		116.662,50					
Куповна цена (во %)	77,50		Акумулирана камата (во ден.)		1.238,85					
Номинална вредност	1,00 EUR		Вкупна вредност (во ден.)		117.888,35					
Куповна вредност (во ден.)	106.689,77		Нереализирана добитка / загуба (во ден.)		11.198,57					
Купена акумул. камата (во ден.)	402,31		% промена од купување на XB		10,05%					
Трансакциони трошоци (во ден.)	500,00		% од вредноста на вкупните вложувања		0,30%					
<b>TOTAL</b>			<b>36.067.092,08</b>		<b>62.684.319,35</b>		<b>26.617.629,57</b>		<b>100,00%</b>	

Опис на XB	Податоци од тргувањето
Лазарен сегмент	Официјален пазар
Лазарен подсегмент	Берзанска котација - обични акции
Тип на XB	Обични акции
ISIN број	MKALKA101011
Вкупни издадени XB	1431353
Шифра на XB	ALK
Номинална вредност	25,56 EUR
<b>Дејења на цената и прометот</b>	
Највисока цена во посл. 52 недели	4.599,00
Најниска цена во посл. 52 недели	3.799,00
% промена во посл. 30 дена	8,48%
% промена во посл. 3 месеци	6,98%
% промена во посл. 6 месеци	0,80%
% промена во посл. 1 година	-4,07%
Просечен дневен промет во посл. 30 дена	645.146,23
Просечен дневен промет во посл. 3 месеци	812.362,12
Просечен дневен промет во тековната година	626.836,29
Просечен дневен промет во посл. 52 недели	1.304.591,88
<b>Показатели по акција за издавачот</b>	
Коefициент цена / добитка	10,43
Дивиденден принос	3,98%
Коefициент цена / Книговодствена вредност по акција	0,91
Коefициент цена / Акумулирана добитка по акција	2,62
Коefициент цена / приходи од продажба	1,01
Коefициент цена / парични прилими од оперативни активности	13,59
Коefициент цена / оперативна добитка	8,93
Коefициент цена / EBITDA	6,35
Највисок P/E во посл. 52 недели	11,46
Најнисок P/E во посл. 52 недели	9,47
Нето добитка по акција за посл. 12 месеци	430,59
Коefициент цена / добитка за посл. 12 месеци	9,77

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