



**MINISTRY OF MINING
AND HEAVY INDUSTRY**



**MINERAL RESOURCES AND
PETROLEUM AUTHORITY OF
MONGOLIA**

Mineral Resources and Petroleum Statistics



July, 2018

www.mrpam.gov.mn



STATISTICAL INFORMATION ON MINERAL RESOURCES AND PETROLEUM



In July 2018, Kh.Kherlen, Chairman of MRPAM, Government Implementing Agency, signed a project "Strengthening Mongolia's Sector Capacity Strengthening" project with German Institute of Geology and Natural Resources (GTZ).

Compiled: Monitoring-Evaluation and Statistics Division
of Mineral Resources and Petroleum Authority

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Main indicators

1. Number of valid licenses (by the Aug 05, 2018)	3240
Mining licenses	1655
Exploration licenses	1585
2. Valid licensed area (by the Aug 05, 2018)	9,7 mln.ha
Mining licensed area	1,5 mln.ha
Exploration licensed area	8,2 mln.ha
3. Licensed area of Mongolian territory (by the Aug 05, 2018)	6,2%
Mining licensed area	1,0%
Exploration licensed area	5,2%
4. The role of Mining sector in Gross Domestic Product (2018)	23,79%*
5. Mining industry in Gross Industrial Output (July, 2018)	69,49%*
6. Production of major mining products (July, 2018):	
Copper metal concentrate	764,4 mln.ha*
Molybdenium metal concentrate	3121,6 t*
Gold	9200,6 kg
Fluorspar concentrate	40,6 ths.t*
Iron ore	1666,8 ths.t*
Zincum concentrate	46,8 ths.t*
7. Main minerals export (Jan-July, 2018):	
Flourspar ore and concentrate	3960,5 ths.t**
Copper concentrate	848,1,7 ths.t**
Zinc	71,3 ths.tn**
Gold	3431,9 kg**
Coal	21146,6 ths.t**
8. Produced coal (July, 2018)	29540,8 ths.t
9. Sold coal (July, 2018)	23420 ths.t
10. Implementation of approved budget revenue plan (July, 2018)	52,61,9%
License fee	60,9%
Petroleum export	31,7%
Reimbursement	15,3%

Notes: * Data from National Statistical Office, www.1212.mn

** Data from Customs General Administration, www.ecustoms.mn

1. GEOLOGICAL STATISTICS

1.1. Geological survey conducted at expense of the state budget, mln MNT, 2012-2017

Type of work	2013		2014		2015		2016		2017	
	mln MNT	%	mln MNT	%	mln MNT	%	mln MNT	%	mln MNT	%
TOTAL	6 809,9	93,0%	9 209,2	92%	9 280,6	82%	9 341,1	100%	12255	91,8
SGMP 1:200000	763,8	95,6%	807,2	89%	330,5	63%	642,7	100%	482,3	100,0
SGMP 1:50000	5 809,4	96,5%	7 314,8	93%	5 556,7	78%	4 975,8	100%	5355,9	100,0
Thematic work	155,8	34,3%	1 003,5	88%	3 167,7	92%	3 476,1	100%	6274,6	80,8
Cooperation projects	80,9	168,9%	83,6	70%	225,6	79%	246,6	100%	142,4	100,0

Source: Data from Geology and Exploration Division, MRPAM



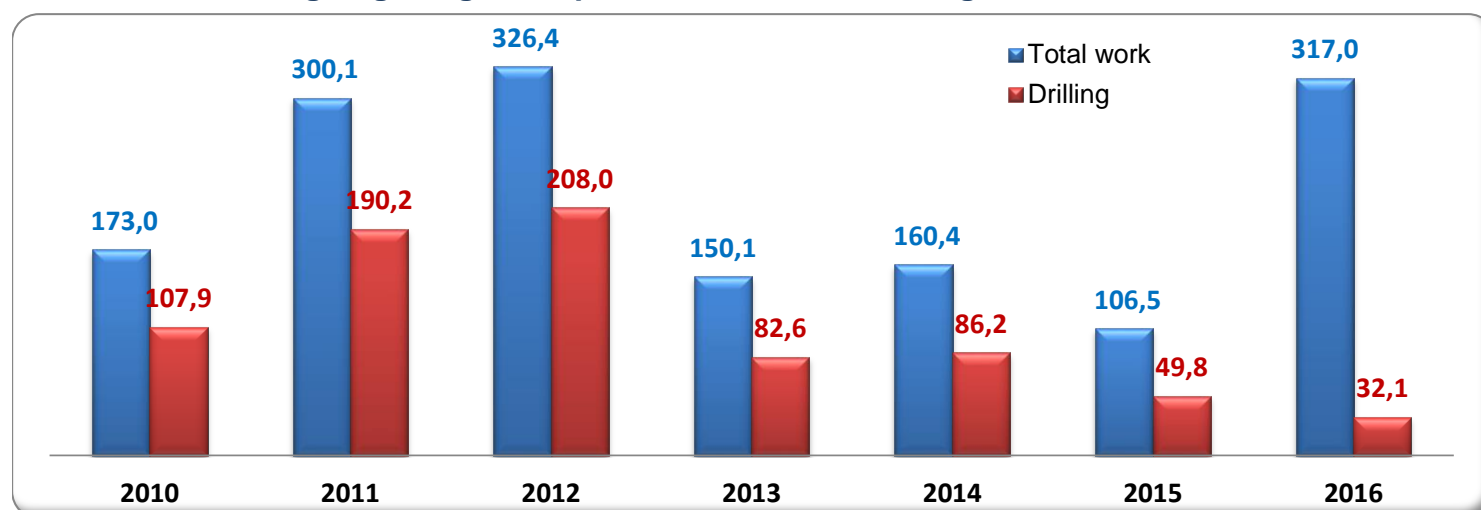
1.2. Geological and exploration survey conducted at expenses of the exploration license holders, mln.MNT, 2010-2016

Total	172 959,4	300 098,4	326 394,7	150 095,8	160 421,9	106 462,1	317 208,0	100,0
Preparation	4677,5	5051,8	4882,8	3 842,3	3 146,2	2 998,7	35 833,2	11,3
Mapping	2270,0	3957,4	4714,8	2 328,8	3 006,8	2 314,2	5 799,1	1,8
Geological survey	2862,7	6880,8	3925,7	2 530,5	2 535,4	2 789,2	6 334,2	2,0
Sampling	2561,0	5685,4	6603,1	2 659,3	2 259,7	2 047,1	32 368,9	10,2
Geophysical work	20581,7	28835,7	23573,7	13 427,2	12 413,9	10 716,5	10 097,6	3,2
Mining	4495,4	7389,5	5153,1	2 530,8	4 887,8	2 784,2	1 692,1	0,5
Drilling	107941,6	190240,1	208018,8	82 575,7	86 233,0	49 794,5	101 740,1	32,1
Geochemical work	377,0	1562,5	3292,1	2 133,4	746,0	779,1	-	-
Laboratory	7693,4	19023,1	22152,4	10 889,8	10 490,8	6 710,6	8 823,9	2,8
Topogeodetic work	1680,3	5778,5	2348,2	1 880,4	1 357,9	1 638,3	2 163,8	0,7
Hydrogeological wo	510,3	2571,0	4116,9	751,6	2 781,3	2 549,9	1 168,0	0,4
Transport	5724,2	6526,7	6685,8	5 182,5	3 780,9	3 112,8	21 055,0	6,6
Indoor, laboratory in	4609,4	10475,1	18540,5	11 233,7	21 563,1	11 055,0	46 447,6	14,6
Environment reclam	675,1	699,8	1424,7	1 382,0	2 015,8	1 749,6	1 343,9	0,4
Field sampling	1547,9	2140,3	862,1	416,6	1 484,7	1 246,9	2 844,5	0,9
Geomorphology	0,0	0,0	11,0	25,3	0,0	20,6	-	-
Archeology	0,0	0,0	1070,9	528,3	123,0	96,8	231,2	-
Paleontology	0,0	0,0	925,4	448,9	88,3	43,3	-	0,1
Other	4752,0	3280,7	8092,8	5 328,7	1 506,9	4 791,0	39 264,9	12,4

Explanation: There are some types of expenditure in 2016 as aggregate and the cost of 2016 is not the final option.

Source: Reports from exploration license holders, MRPAM

1.3. Private funding of geological exploration work and drilling, bln.MNT





1.4. Mineral resource reserves registered in the State's integrated registry, 2016-2018

No	Deposit types	unit	Registered reserves					
			2016		2017		2018	
			ore	metal	ore	metal	ore	metal
1	Gold (rock)	ths.t/kg	62 864,24	33 819,66	8412,8	3211,9	65437,9	18697,9
2	Gold (placer)	kg	6581,0	5955,2	3374,7	3015,0	4 720,28	4 230,31
3	Iron	ths.t	54463,2	18030,0	45655,7	11870,9	7740	2674
4	Polymetal	ths.t	15091,4	-	-	-	2837,3	-
	Cu	t	-	57547,3	-	-	-	-
	Zn	t	-	41043,0	-	77,7	-	-
	eqZn	t	-	-	-	-	-	73807,0
	Pb	t	-	-	-	83,4	-	-
	eqPb	t	-	-	-	1636,3	-	-
5	Molybdenium	ths.t	-	-	-	-	35 270,97	10 352,37
6	Tungsten	ths.t/t	-	-	502,6	4,4	-	-
7	Rare earth elements	ths.t/t	-	-	0,12	0,041	274,6	0,02
8	Copper	ths.t/t	2042008.33*	7789023.59*	29183,0	134,9	29883,7	34254
9	Tin	ths.t	-	89,6	-	0,7	-	-
10	Fluorspar	ths.t	801,1	335,0	1177,56	664,58	1 287,90	365,42
11	Uranium	t	4,9	-	-	-	-	-
12	Coal	mln.t	1295,43		3579,7		9662,7	
13	Pear shaft	mln.t	-		-		-	
14	Limestone	mln.t	155,4		185,8		52687,3	

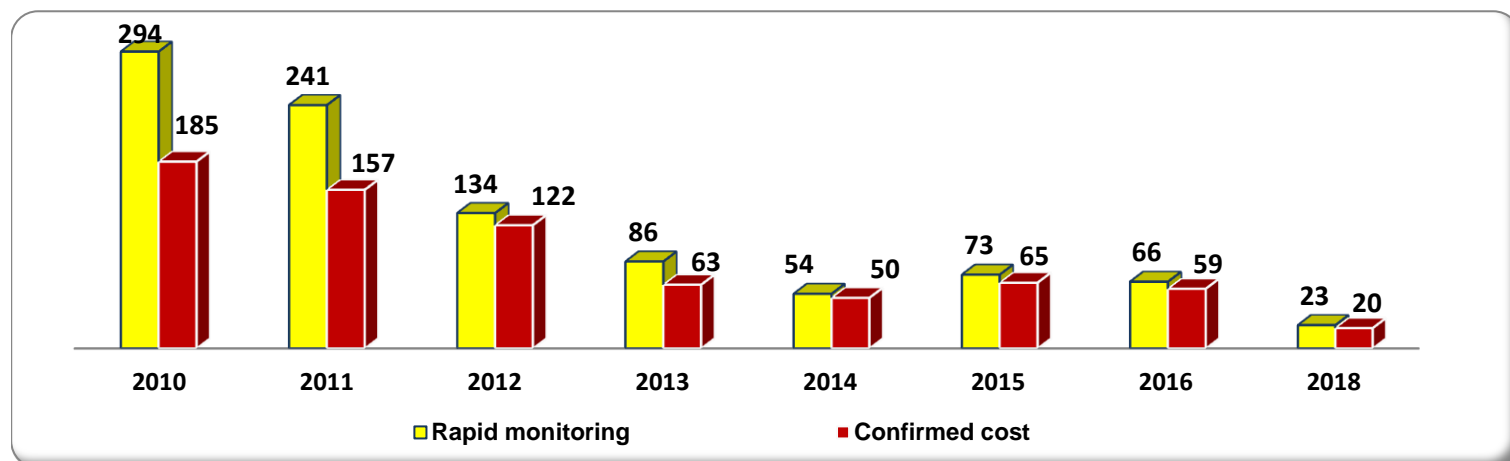
Source: Data from Geology and Exploration Division, MRPAM



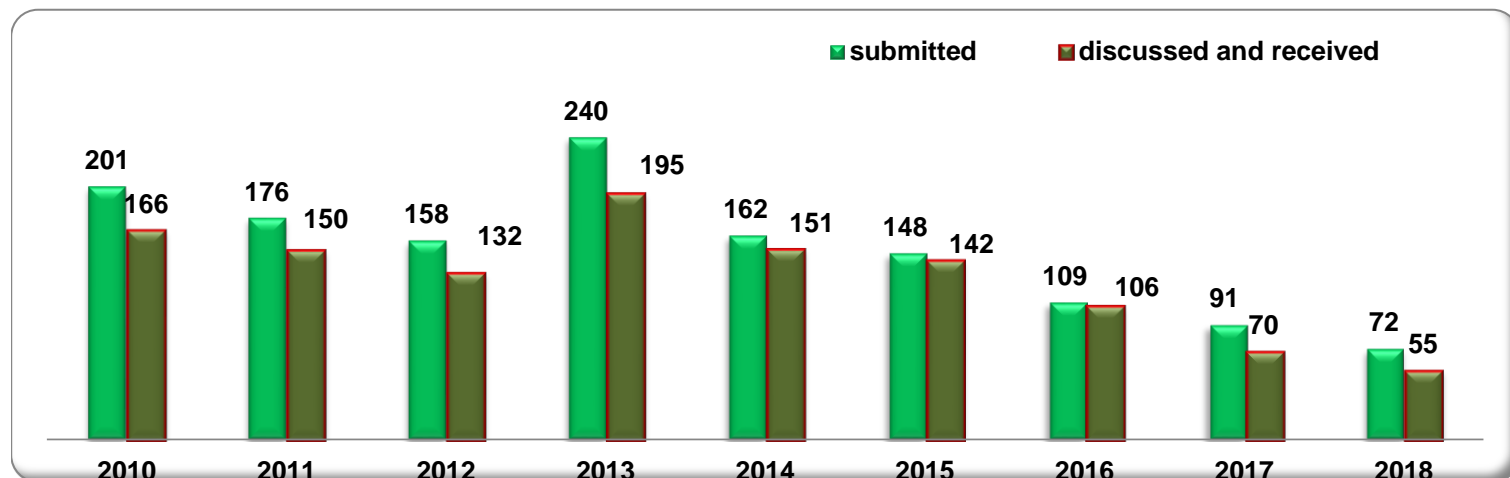
1.5. Annual exploration plan, report submitted and number of licenses certified for exploration expenditure

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Plan									
Plan to be submitted	3188	2684	2572	1760	1667	1345	2051	1748	1695
Submitted	2593	2430	2135	1472	1133	1307	1750	1724	1625
Attendance %	81,3%	90,5%	83,0%	83,6%	68,0%	97,2%	85,3%	98,6%	95,87%
Report									
Report to be submitted	2684	2572	2300	1667	1345	1802	1714	1745	1583
Submitted	2675	2276	1843	1258	958	1260	1512	1528	1534
Attendance %	99,7%	88,5%	80,1%	75,5%	71%	70%	88,2%	87,5%	-
Minimum review of exploration expenditure report %	95,3%	100,7%	100,0%	100,0%	244%	254%	30,3%	86,3%	84,3%
Cost of financial statements	84,3%	98,6%	93,4%	89,8%	100%	92%	9,3%	77,4%	78,7%

1.6. Special Rapid Tracking for Geological Exploration permits and numbers



1.7. Хайгуулын ажлын үр дүнгийн тайланг хэлэлцэж хүлээн авсан байдал



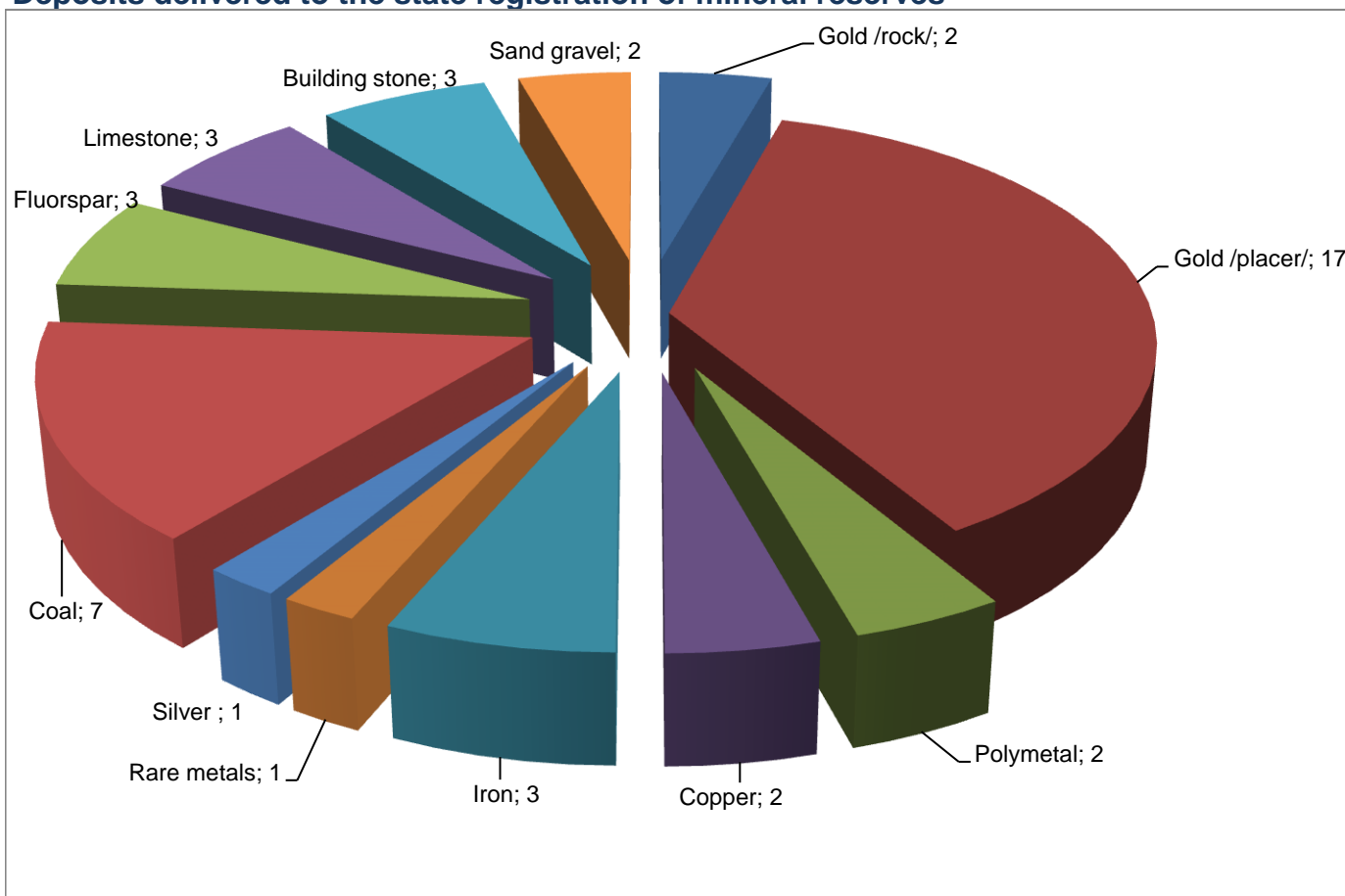
Source: Data from Geology and Exploration Division, MRPAM



1.8. Deposit delivered to the state registration of mineral reserves, 2018

Number	Type of minerals	Quantity
1	Gold (rock)	4
2	Gold (placer)	25
3	Polymetal	2
4	Molibden	3
5	Copper	2
6	Iron	5
7	Silver	1
8	Coal	2
9	Fluorspar	15
10	Limestone	6
11	Building stone	5
12	Mud deposits	11
13	Sand gravel	3
14	Silicon sandstone	5

Deposits delivered to the state registration of mineral reserves



Source: Data from Geology and Exploration Division, MRPAM

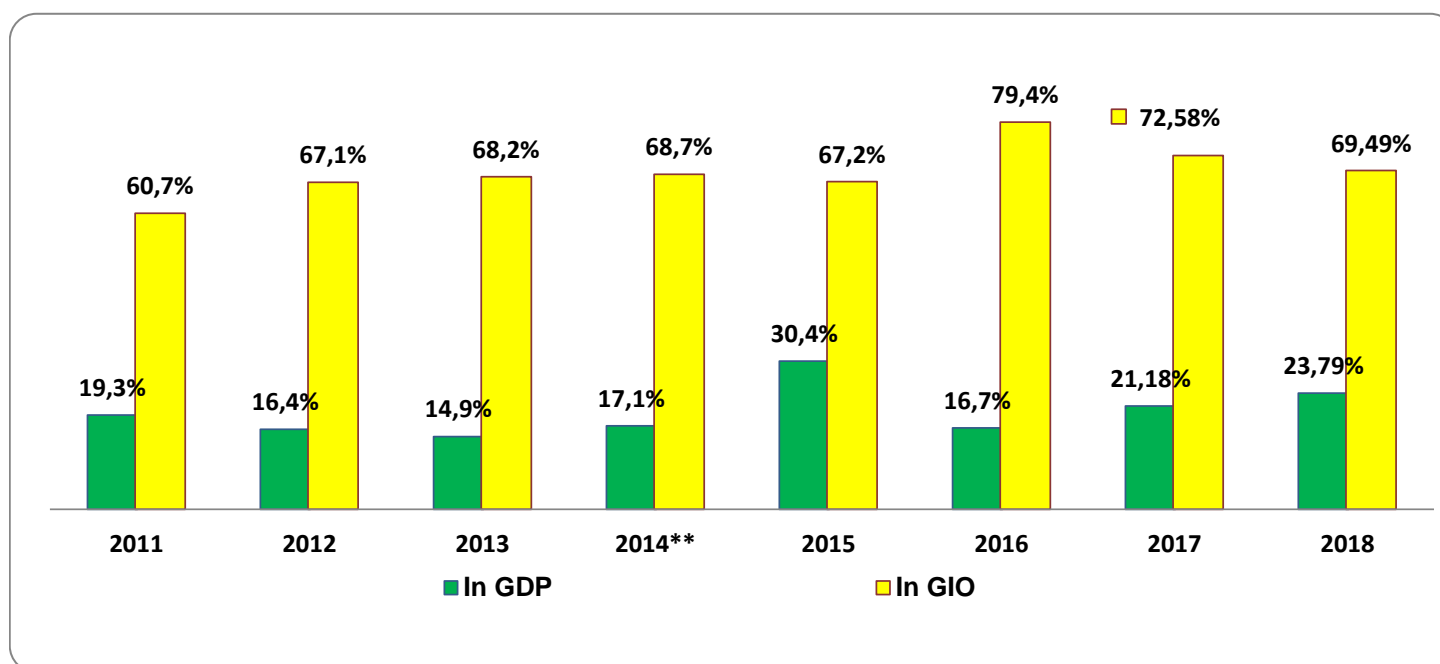


2. MINING STATISTICS

2.1. Production of commodities in mining industry, at current prices, /billion MNT /, 2011-2018

Production	2011	2012	2013	2014	2015	2016	2017	2018
Gross domestic production	13 173,8	16 688,4	19 174,2	22 227,1	23 166,8	23 886,4	20 257,9	15166,6
Mining production	2 536,2	2 742,8	2 849,4	3 661,0	3 867,7	3 984,8	4 291,3	3608,1
Gross industrial output	6 185,6	5 723,6	7 651,7	9 299,6	8 714,4	9 927,1	12 932,7	10034,4
Mining and quarrying	3 752,3	3 839,7	5 217,4	6 388,9	5 858,0	7 884,7	9 386,0	6972,8

2.2. The role of Mining sector in the National economy



2.3. Production of major mining commodities, 2010-2018

Type of minerals	2011	2012	2013	2014	2015	2016	2017	2018
Copper concentrate with metal grade, thous.t	347,4	347,6	533,3	712,0	890,7	1445,1	1 084,9	764,4
Molybdenum concentrate with metal grade, ton	4163,1	4050,2	3869,2	4254,0	5441,0	5173,7	4 673,7	3121,6
Gold, kg	5702,6	5995,0	8904,4	11503,8	14556,2	18435,7	17 397,5	9200,6
Fluorspar concentrate, thous.t	116,4	157,2	76,4	374,9	230,8	34,1	17,1	40,6
Iron ore, concentrate, thous.t	5678,3	7561,4	6011,2	10260,5	6173,4	2209,9	3 069,1	1666,8
Zinc concentrate, thous	104,7	119,1	104,1	93,2	89,6	100,2	69,0	46,8
Tungsten concentrate, ton	12,6	66,0	-	-	-	-	-	-

Source: www.1212.mn, National Statistical Office

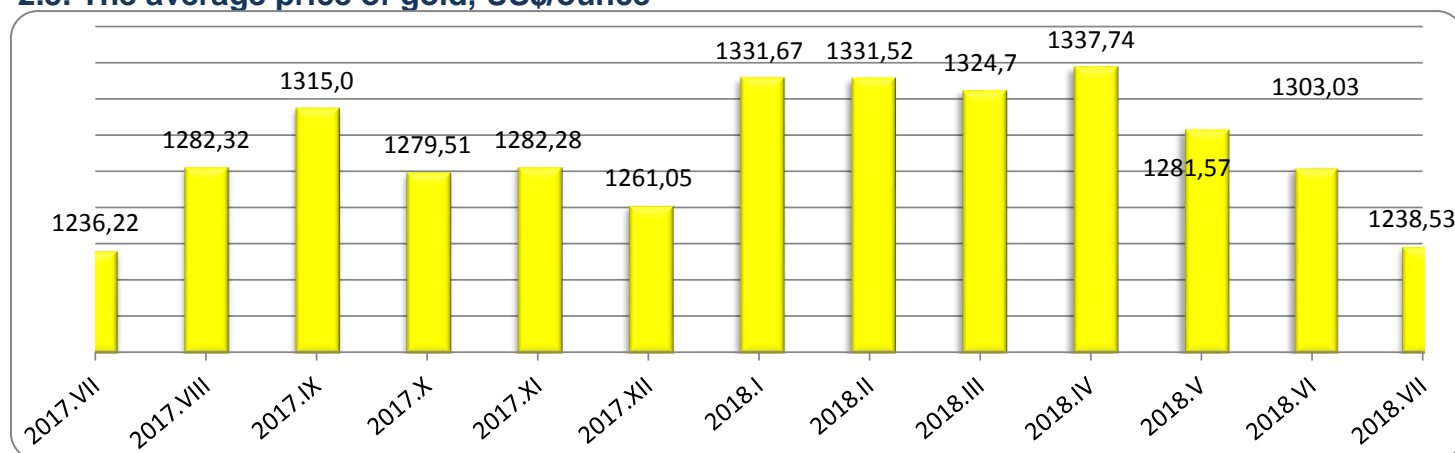


2.4. The average of commodity prices in the world market. US\$, 2014-2018

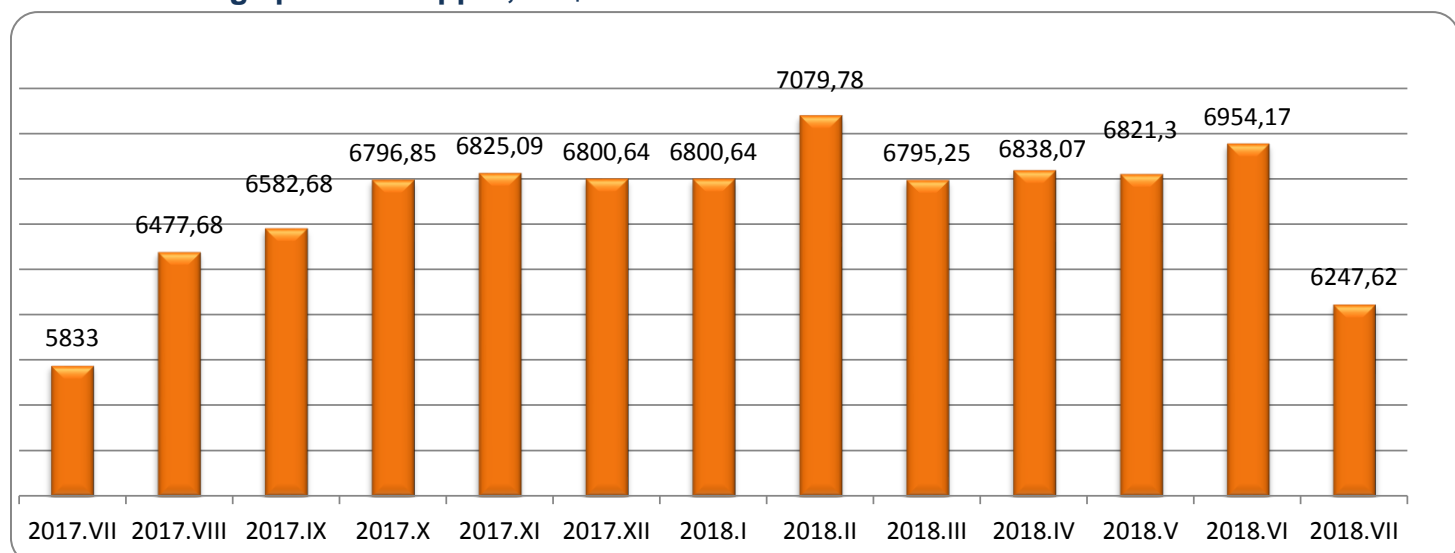
Number	Mineral commodities	Unit of measurement	2014	2015	2016	2017	July, 2018
1	Gold, ounce	\$/унци	1271,19	1160,09	1151,40	1257,11	1238,53
2	Silver, ounce	\$/унци	19,07	15,71	16,38	17,14	15,71
3	Copper, tons	\$/тн	6859,50	5501,03	5665,83	6162,36	6247,62
4	Zinc, tons	\$/тн	2161,05	1928,76	2671,34	2893,57	2658,19
5	Blue lead, tons	\$/тн	2095,44	1786,15	2230,30	2317,05	2212,39
6	Tin, tons	\$/тн	21909,93	16079,32	21274,13	20090,07	19689,32
7	Molybdenum, tons	\$/тн	25202,97	14618,15	15000,00	15665,13	25000
8	Tungsten, tons	\$/тн	50971,02	36082,38	32000,00	36011,13	43300,0
9	Iron ore, tons	\$/тн	93,11	49,82	62,00	54,28	43,7
10	Fluorite concentrate AG-97	\$/тн	305,66	283,29	260,00	345,38	490
11	Fluorite ore MG-85	\$/тн	240,00	244,33	250,00	293,88	360
12	Thermal coal	\$/тн	56,63	49,10	40,40	42,15	31,4
13	Coking coal	\$/тн	150,00	106,20	121,30	113,63	137,4

Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com

2.5. The average price of gold, US\$/ounce

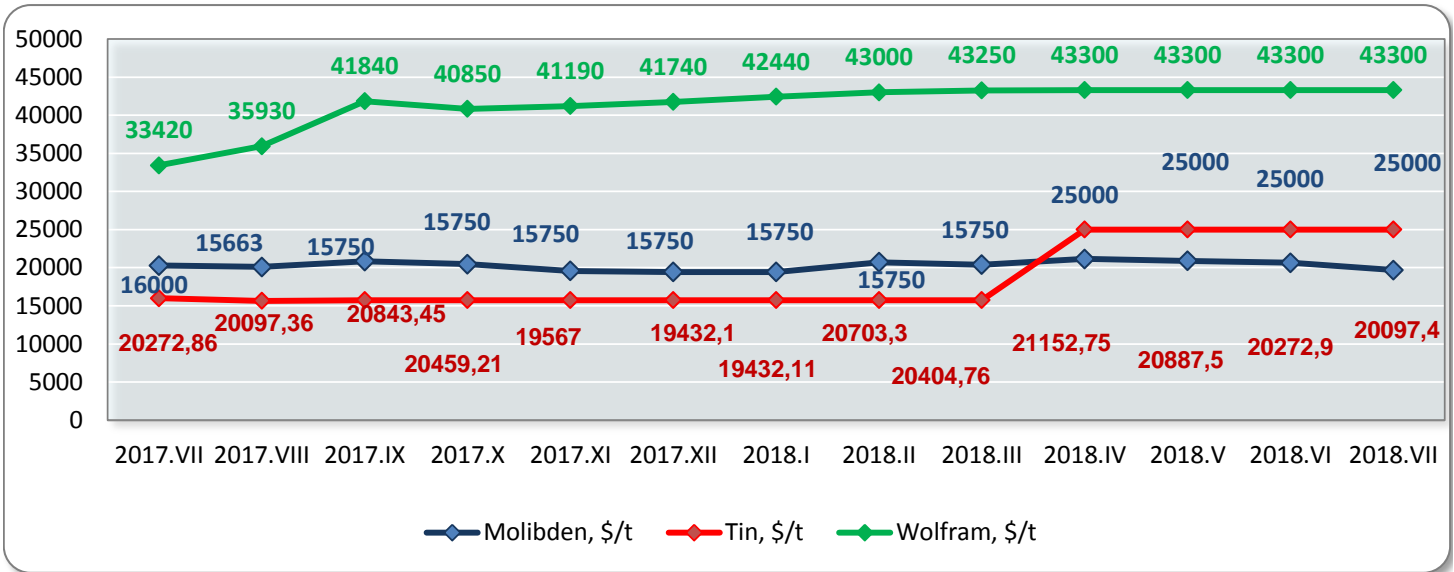


2.6. The average price of copper, US\$/tons

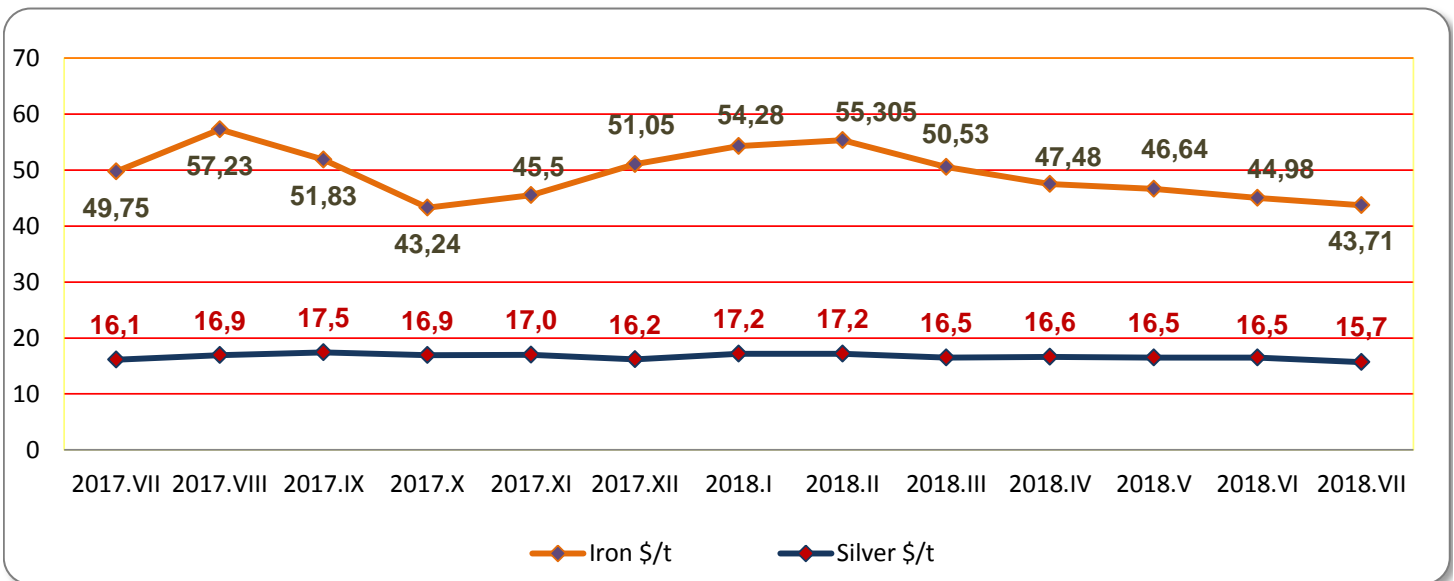




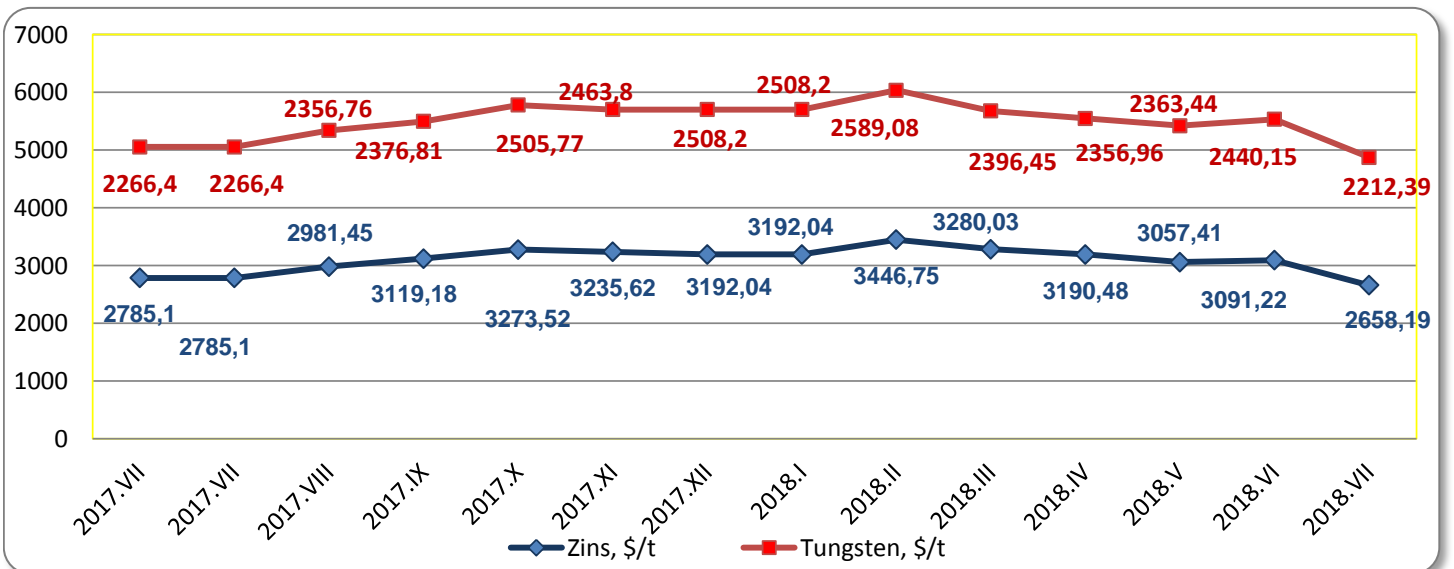
2.7. The average price of metals in the world market, last 12 months



2.8. The average price of metals in the world market, last 12 months



2.9. The average price of metals in the world, last 12 months



Source: www.Indmin.com, www.umetal.com www.sxcoal.com



2.10. Rehabilitation work by mining license holders, 2008-May 09, 2018

Parametres		Previous years	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
1	Area covered by mining /hectare/	17077	709	631	1709	2042	1430	1038	1561	871	2511	1745	31325
2	Rehabilitated area /hectare/	11527	932	711	1533	1443	1402	807	960	750	1000	376,8	21442
3	Expenses for rehabilitation	24805	7683	8300	9657	7013	14808	7382	9212	4019	2313	1602,4	96794
4	Area covered by technical rehabilitation /hectare/	5381	823	580	1290	480	1177	532	523	589	654	420,3	12749
5	Area covered by biological rehabilitation /hectare/	4024	670	300	520	521	378	370	322	320	718	360,1	8502
6	Environmental expenses /mln.MNT/	12019	3592	4158	5708	3323	8597	3876	11683	8597	5455	0	61907
7	Abusive protection rehabilitation /hectare/	-	-	-	-	-	-	-	-	-	257,0	24,1	281,0
8	Abusive protection rehabilitation /mln.MNT/	-	-	-	-	-	-	-	-	-	739,1	26	765
9	Remodeling the mine and rehabilitation of the village /hectare/	-	-	-	-	-	-	-	-	-	29,0	24,1	53,0
10	Remodeling the mine and rehabilitation of the village /mln.MNT/	-	-	-	-	-	-	-	-	-	175,0	65,4	240,0

In 2017, the newly damaged land was 1745 ha, technical rehabilitation was 420.3 hectares and biological rehabilitation was 360.1 ha.

As of today, 31325 hectare area is covered by mining due to mining activities in Mongolia. The area of technical rehabilitation was 12749 hectares, the area of biological rehabilitation was 8502 hectares, expenditure spent on rehabilitation was 96,794.0 million tugrugs and expenditure on environmental protection was 61.907 million tugrugs.

Explanation: Based on the report of the Minerals Law of 2017.

According to Article 48.6 of the Minerals Law, a report on exploitation of mineral resources in 2017 was submitted on 9 May and is based on data that was affected by the 2017 Certified Rehabilitation Report.

2.12. Investments of companies registered with international stock exchange companies operating in Mongolia's mining companies, /by the Aug 08, 2018/

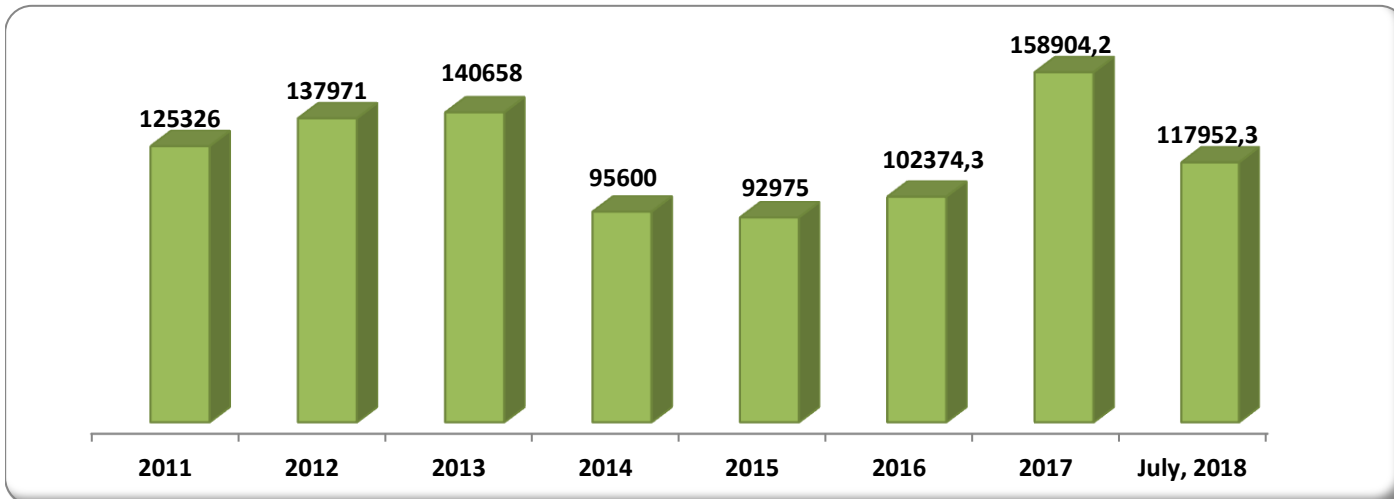
№	Company name	Exchange	Marking	Money unit	Хувьцааны дундаж үнэ							Market value, Aug 08, 2018
					2017	2018 I quar	Apr, 2018	May, 2018	June, 2018	2018 II quar	July, 2018	
1	Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	3,076	3,158	3,024	2,91	2,805	2,918	2,846	5,13B
2	Peabody Energy Corporation	NYQ	BTU	USD	28,498	39,79	36,988	39,953	46,018	40,981	43,988	5,26B
3	Rio Tinto plc	LSE	RIO.L	GBp	3,411.9	3,883.2	3,778.1	4,210.2	4,268.9	4,099.1	4,111.2	68,62B
4	Mongolia Energy Corporation	HKG	0276.HK	HKD	0,246	0,194	0,173	0,169	0,155	0,166	0,127	253,97M
5	Mongolian Mining Corporation	HKG	0975.HK	HKD	0,237	0,226	0,161	0,156	0,142	0,152	0,118	1.53B
6	South Gobi Resources Ltd.	HKG	1878.HK	HKD	1,758	1,242	0,998	1,007	1,04	1,014	0,953	212,37M
7	Centerra Gold Inc.	TOR	CG.TO	CAD	7,413	6,592	7,6	7,405	7,042	7,364	6,058	1,68B
8	Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0,852	0,475	0,391	0,354	0,391	0,379	0,379	57,43M
9	Entrée Resources Ltd.	TOR	ETG.TO	CAD	0,604	0,603	0,472	0,477	0,538	0,495	0,583	95,87M
10	Prophecy Development Corp.	TOR	PCY.TO	CAD	4,007	3,299	2,802	2,836	2,617	2,754	2,112	1,77M
11	Steppe Gold Ltd	TOR	STGO.TO	CAD	-	-	-	1,825	1,333	1,469	1,267	53,59M
12	Kincora Copper Limited	VAN	KCC.V	CAD	0,389	0,208	0,139	0,137	0,135	0,137	0,161	11,43M
13	Altan Rio Minerals Limited	VAN	AMO.V	CAD	0,02	0,018	0,01	0,01	0,019	0,013	0,02	1.34M
14	Xanadu Mines Limited	ASX	XAM.AX	AUD	0,224	0,251	0,195	0,196	0,189	0,193	0,162	97,21M
15	Aspire Mining Limited	ASX	AKM.AX	AUD	0,018	0,011	0,009	0,017	0,022	0,016	0,024	65,76M
16	Haranga Resources Limited	ASX	HAR.AX	AUD	0,003	0,003	0,003	0,003	0,003	0,003	0,003	1.45M
17	Tian Poh Resources Limited	ASX	TPO.AX	AUD	0,047	0,081	0,09	0,09	0,09	0,09	0,09	34.79M
18	Banpu Public Company Limited	SET	BANPU.BK	THB	18,109	21,545	19,782	20,667	20,767	20,425	20,579	107,88B
19	Petro Matad Limited	LSE	MATD.L	GBp	15,085	9,928	11,93	12,314	10,799	11,664	9,026	43,51M
20	Wolf Petroleum Limited	ASX	WOF.AX	AUD	0,026	0,016	0,011	0,009	0,011	0,01	0,009	7,86M

Эх үүсвэр: www.nyse.com, www.londonstockexchange.com, www.hkex.com.hk, www.tmx.com, www.tsx.com, www.asx.com.au, www.set.or.th

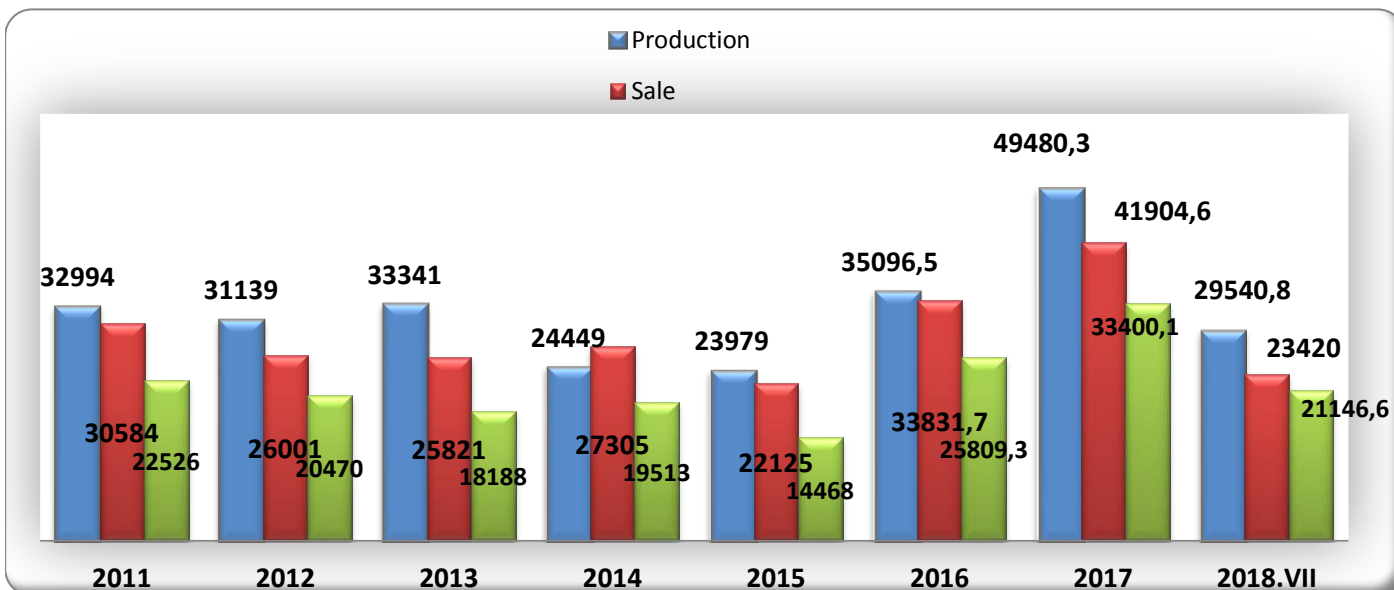


3. COAL STATISTICS

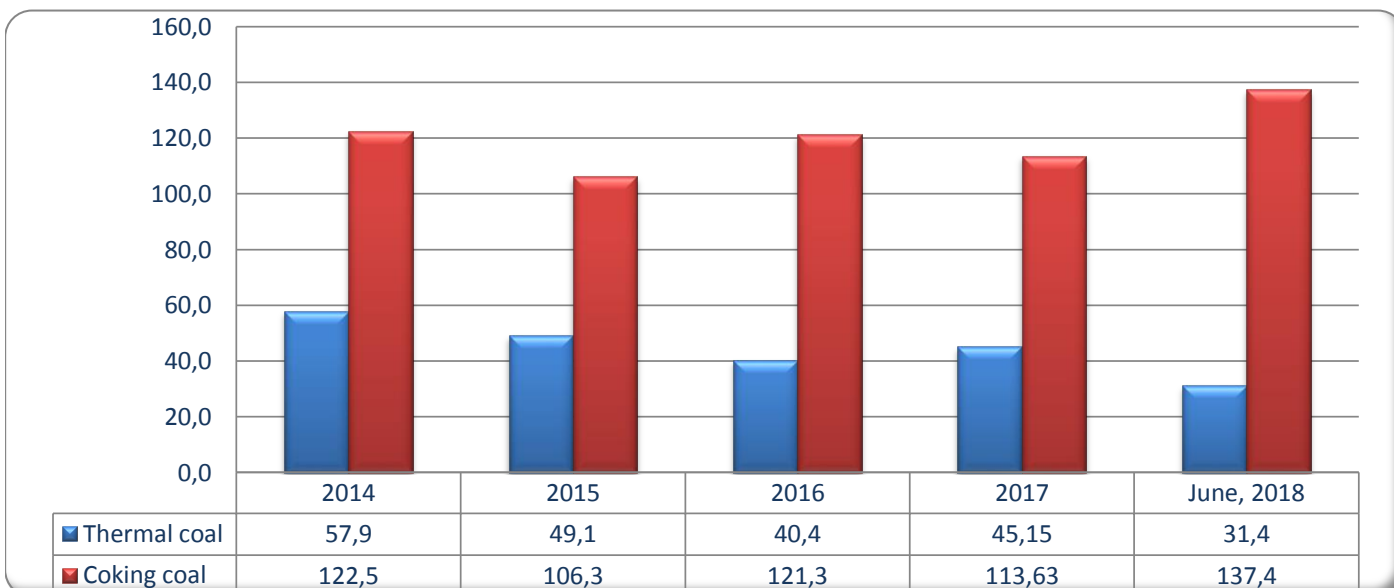
3.1. Striping, ths.m3



3.2. Coal production, sale and export, ths.t



3.3. Coal on the world market average price, US\$/t



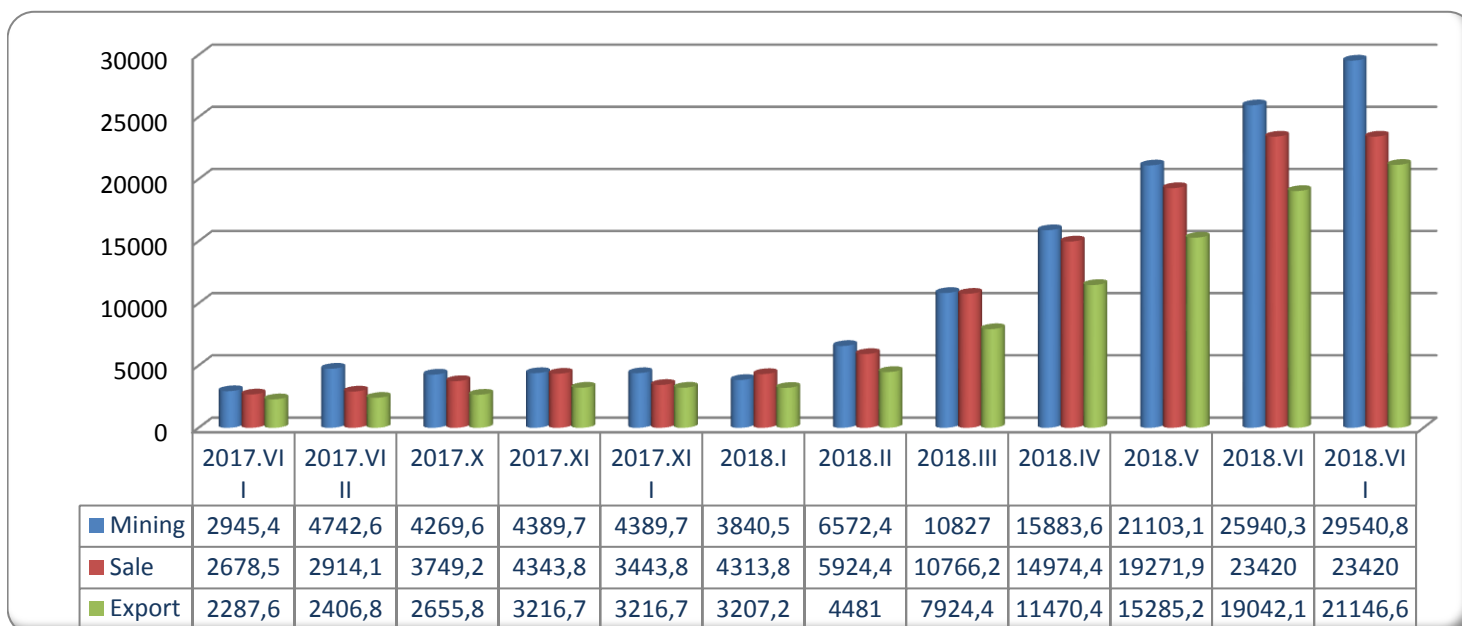
Source: Data from Coal mining companies to MRPAM
 infomine.com, <http://sxcoal.com/site/index?lang=en>



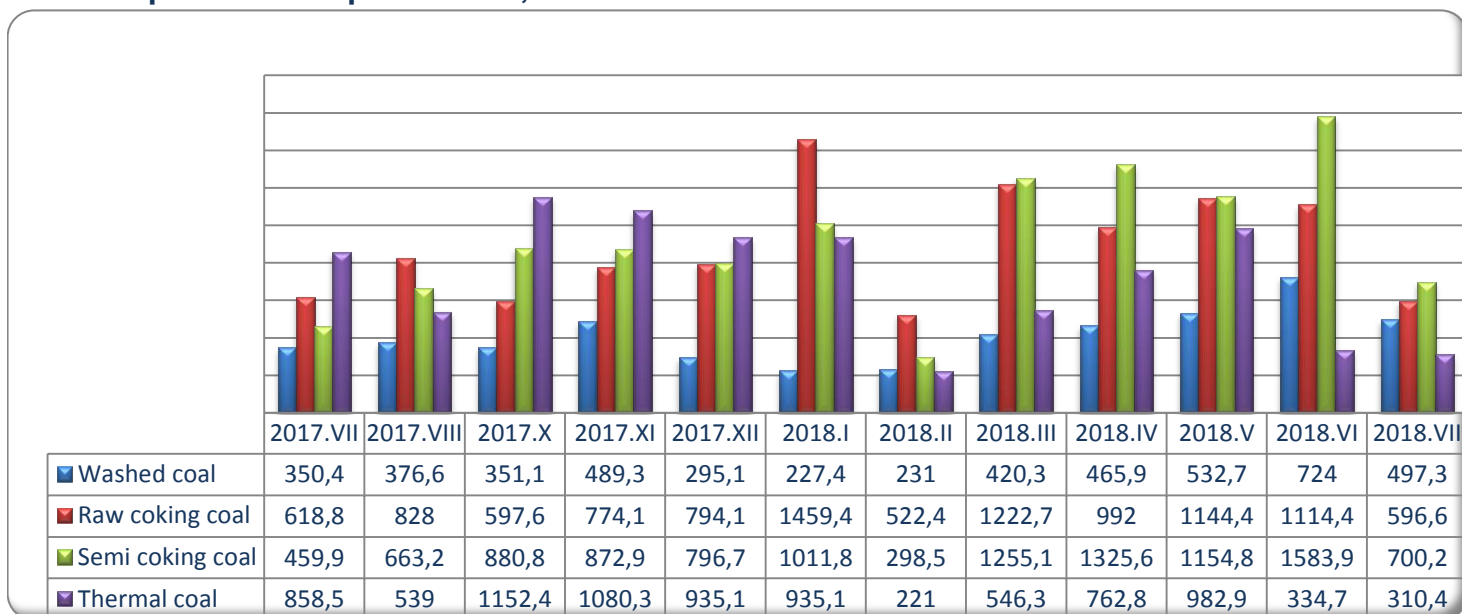
3.4. Stripping, mining, sale and export of Coal mines, Jan-July, 2018

Type	Stripping /ths.m3/	Mining /ths.t/	Selling /ths.t/	Export /ths.t/
Total	117 952,3	29 540,8	23 420,0	21 146,6
Energy coal mines	18806,2	4 078,4	388,8	-
Export coal mines	97 572,5	25 174,2	21146,6	21146,6
Local coal mines	1 573,6	288,2	1 884,9	-

3.5. Coal mining, sale, and export, last 12 months



3.6. Composition of exported coal, last 12 months



Source: Data form Coal mining companies to MRPAM



4. STATISTICS OF MINERAL LISENSSES AND AREA

4.1. Number of valid licenses and area by provinces

by Aug 05, 2018

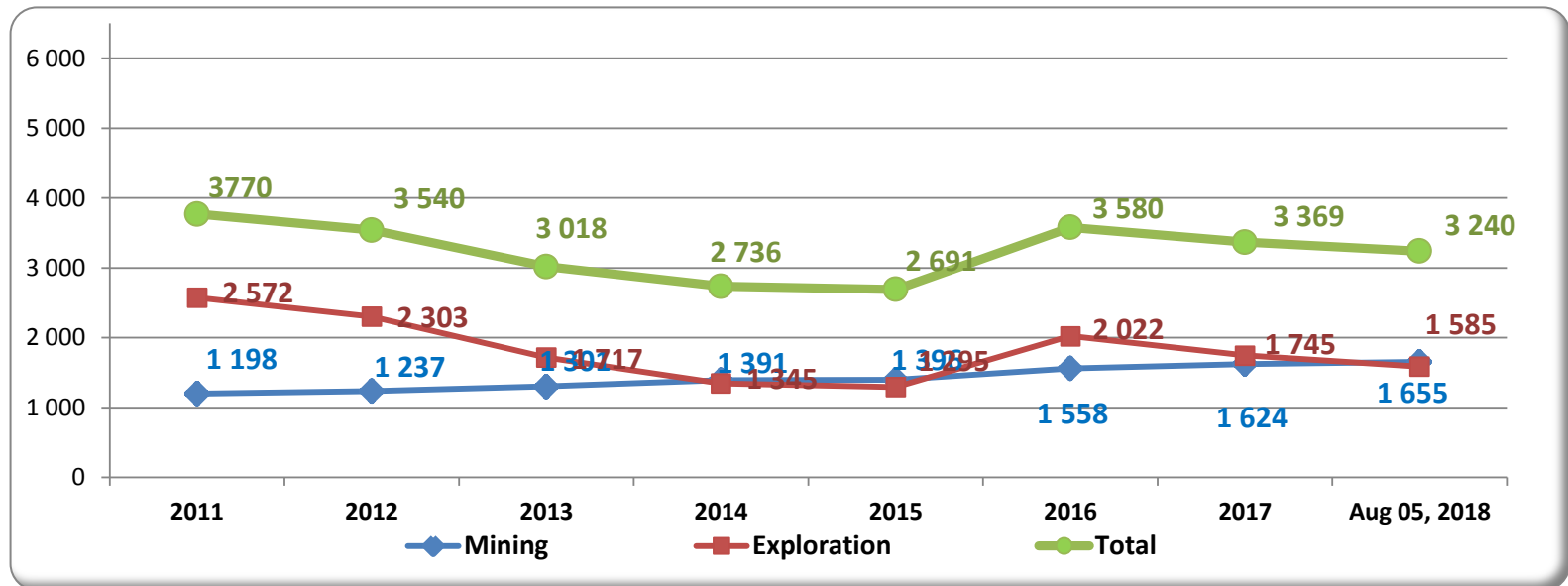
№	Aimags and capital city	Total			Thereof:					
					Mining			Exploration		
		Number of Licenses	Area /ths.ha/	Percenta ge of total territory	Number of Licenses	Area /ths.ha/	Percenta ge of total territory	Number of Licenses	Area /ths.ha/	Percenta ge of total territory
1	Arkhangai	37	73,6	1,3	26	12,6	0,23	11	61,1	1,10
2	Bayan-Ulgii	71	228,8	5,0	27	12,9	0,28	44	215,9	4,72
3	Bayankhongor	171	469,6	4,1	87	67,0	0,58	84	402,7	3,49
4	Bulgan	121	183,4	3,8	71	35,2	0,72	50	148,3	3,05
5	Uvurkhangai	53	117,0	1,9	30	15,7	0,25	23	101,2	1,61
6	Govi-Altai	180	914,2	6,4	49	70,1	0,49	131	844,1	5,95
7	Govisumber	17	58,7	10,6	12	38,7	6,99	5	20,0	3,60
8	Darkhan Uul	81	16,2	5,0	68	9,6	2,94	13	6,6	2,03
9	Dornogovi	403	1654,2	15,1	175	209,8	1,92	228	1444,4	13,21
10	Dornod	177	561,3	4,5	70	56,6	0,46	107	504,7	4,09
11	Dundgovi	218	860,4	11,5	96	156,6	2,10	122	703,8	9,43
12	Zavhan	83	501,7	6,1	8	13,8	0,17	75	487,9	5,91
13	Umnugovi	214	1434,4	8,7	98	512,7	3,10	116	921,7	5,58
14	Orkhon	9	11,0	13,1	9	11,0	13,12	0	0,0	0,00
15	Sukhbaatar	104	447,7	5,4	63	51,7	0,63	41	396,0	4,81
16	Selenge	194	115,3	2,8	142	36,6	0,88	52	78,7	1,90
17	Tuv	456	476,3	6,4	310	146,0	1,97	146	330,3	4,47
18	Uvs	164	608,7	8,7	46	17,9	0,26	118	590,9	8,49
19	Ulaanbaatar	184	14,1	3,0	170	12,6	2,65	14	1,5	0,32
20	Khuvsgul	28	90,1	0,9	19	8,5	0,08	9	81,6	0,81
21	Khovd	125	389,2	5,1	32	12,3	0,16	93	376,9	4,96
22	Khentii	256	512,1	6,3	111	46,9	0,58	145	465,2	5,76
Total		3240	9738,0	6,2	1655	1554,7	0,99	1585	8183,24	5,21

The total area of Mongolia is 1.56 million hectares

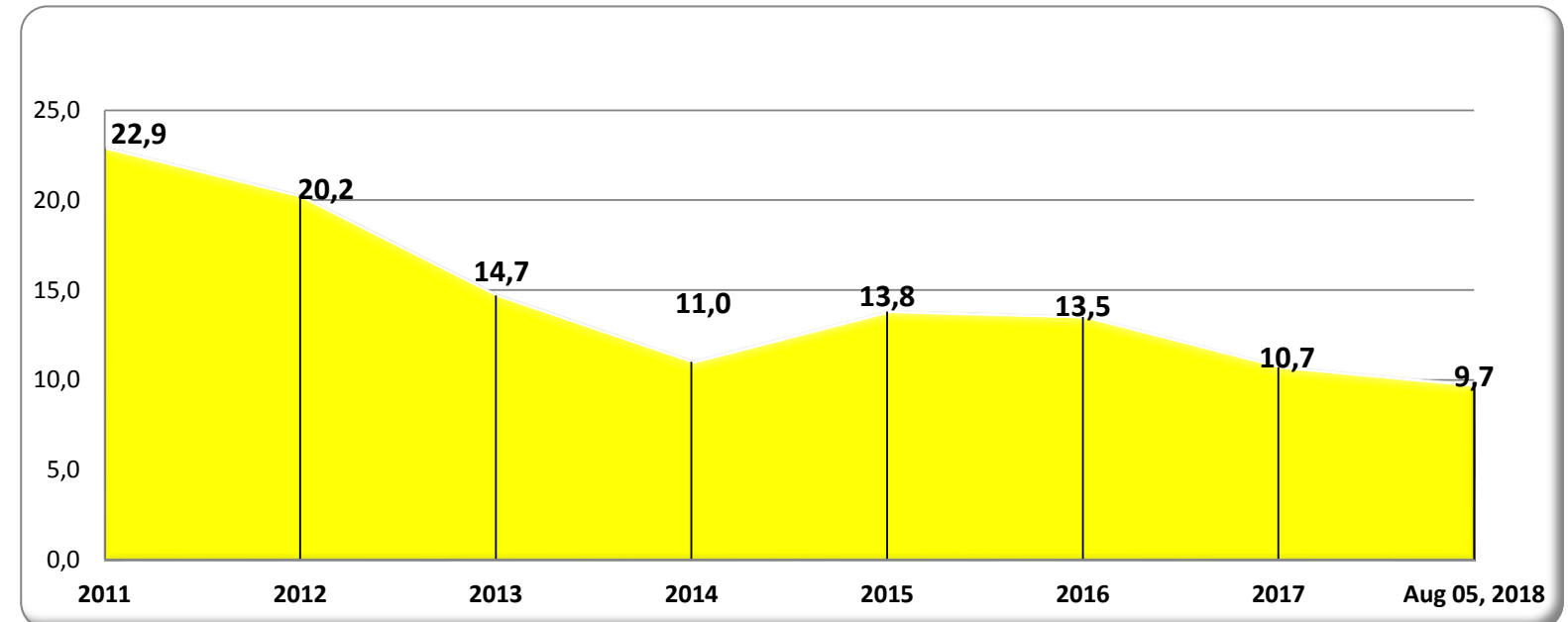
Explanation: Some licenses are crossing the boundaries of more than one aimag, thus increasing the number of each aimag.



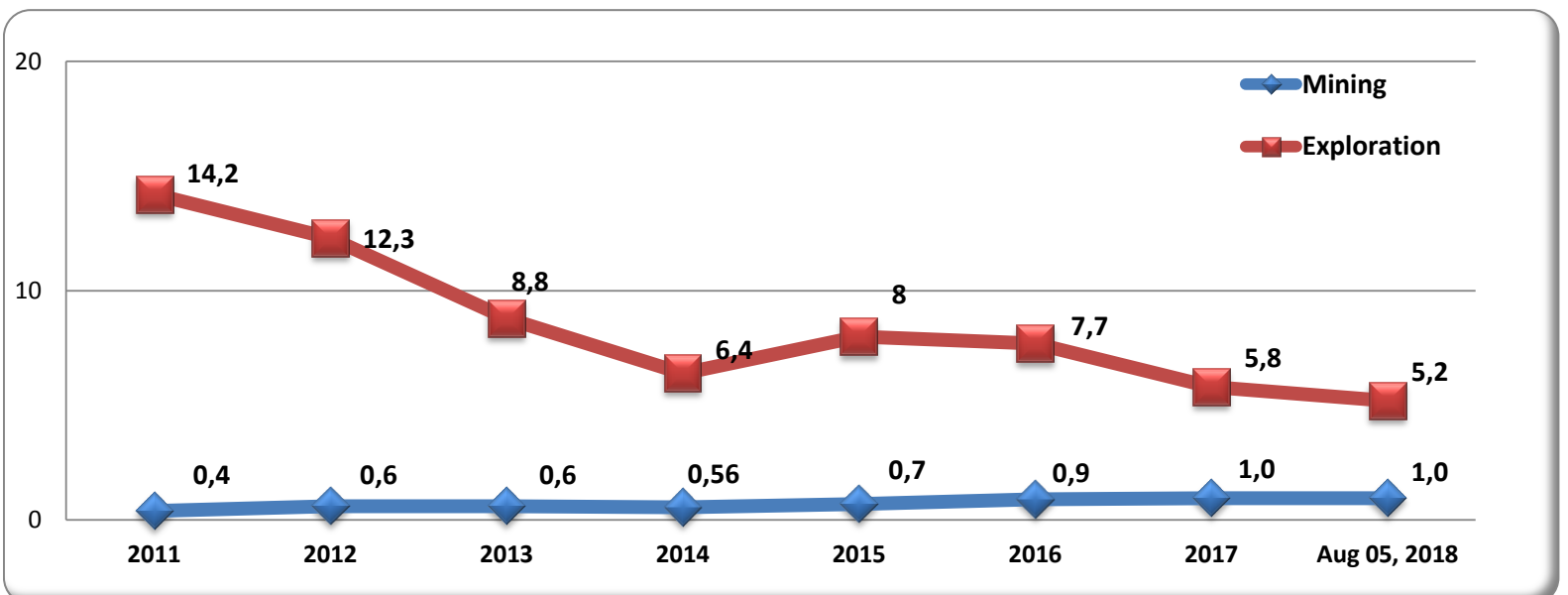
4.2. Number of valid licenses, 2011-Aug 05, 2018



4.3. Valid licensed area, million hectare, 2011-Aug 05, 2018



4.4. Percentage of total area, 2011-Aug 05, 2018



Notes: Exploration licenses stopped issuing since 2010.IV.20
 Application for exploration licenses started to receive 2015.I.26



4.5. Area registered in Geology and mining cadastre

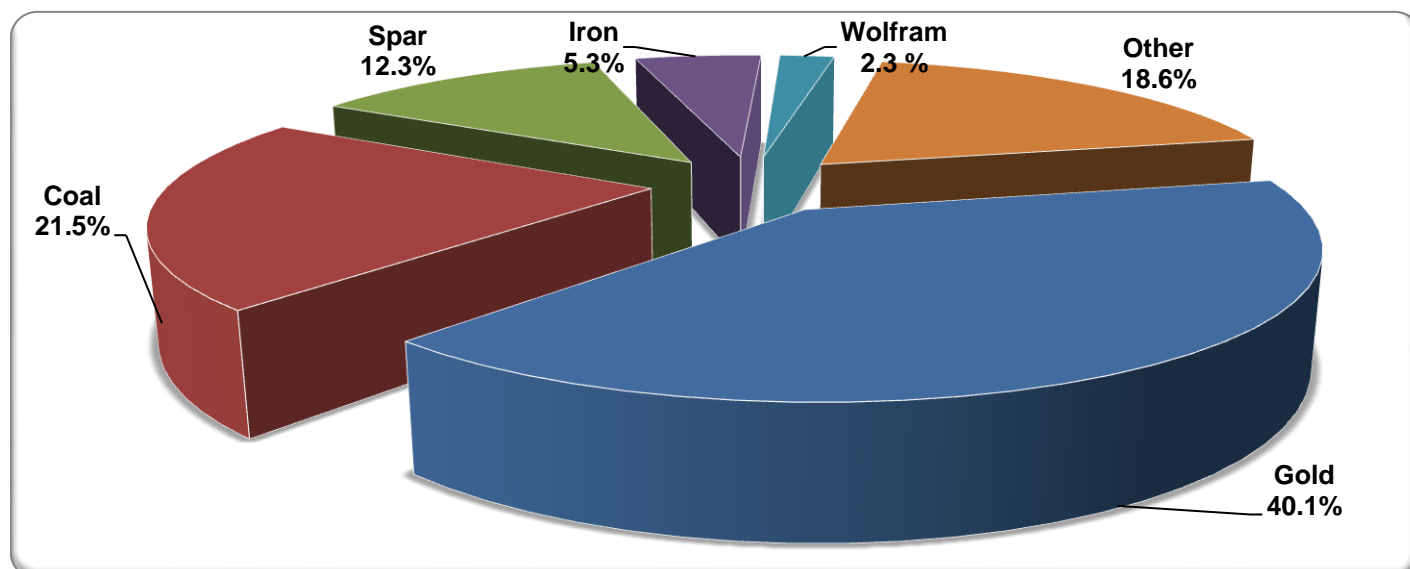
/Overlap/

by Aug 05, 2018

No	Name of area	Area /mln.hectare/	Percentage of total area
1	Valid mining licensed area	1,5	1,0%
2	Valid exploration licensed area	8,2	5,2%
3	State protected area	29,1	18,6%
4	Special purpose area	28,2	18,0%
5	Strategic deposit, government reserved area	39,2	25,1%
6	Settled area, border and railway strip area	1,1	0,7%
7	Other prohibited area	49,1	31,4%

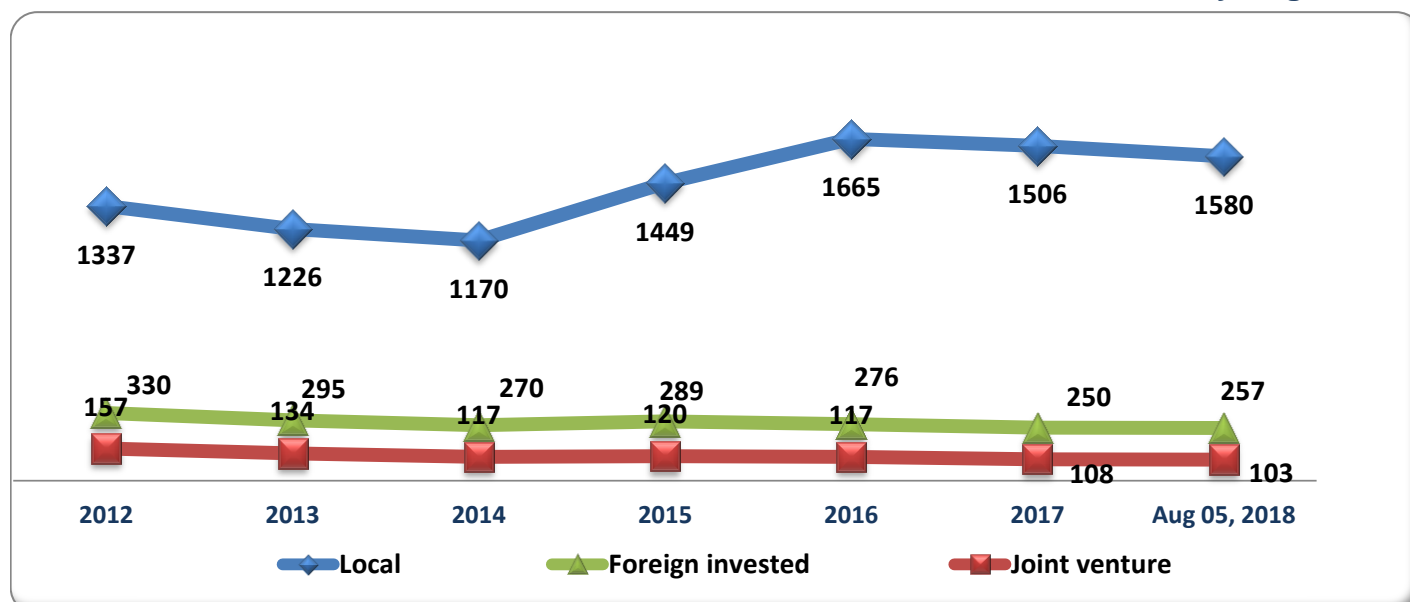
4.6. Mining licenses by Minerals

by Aug 05, 2018



4.7. Number of valid licensees

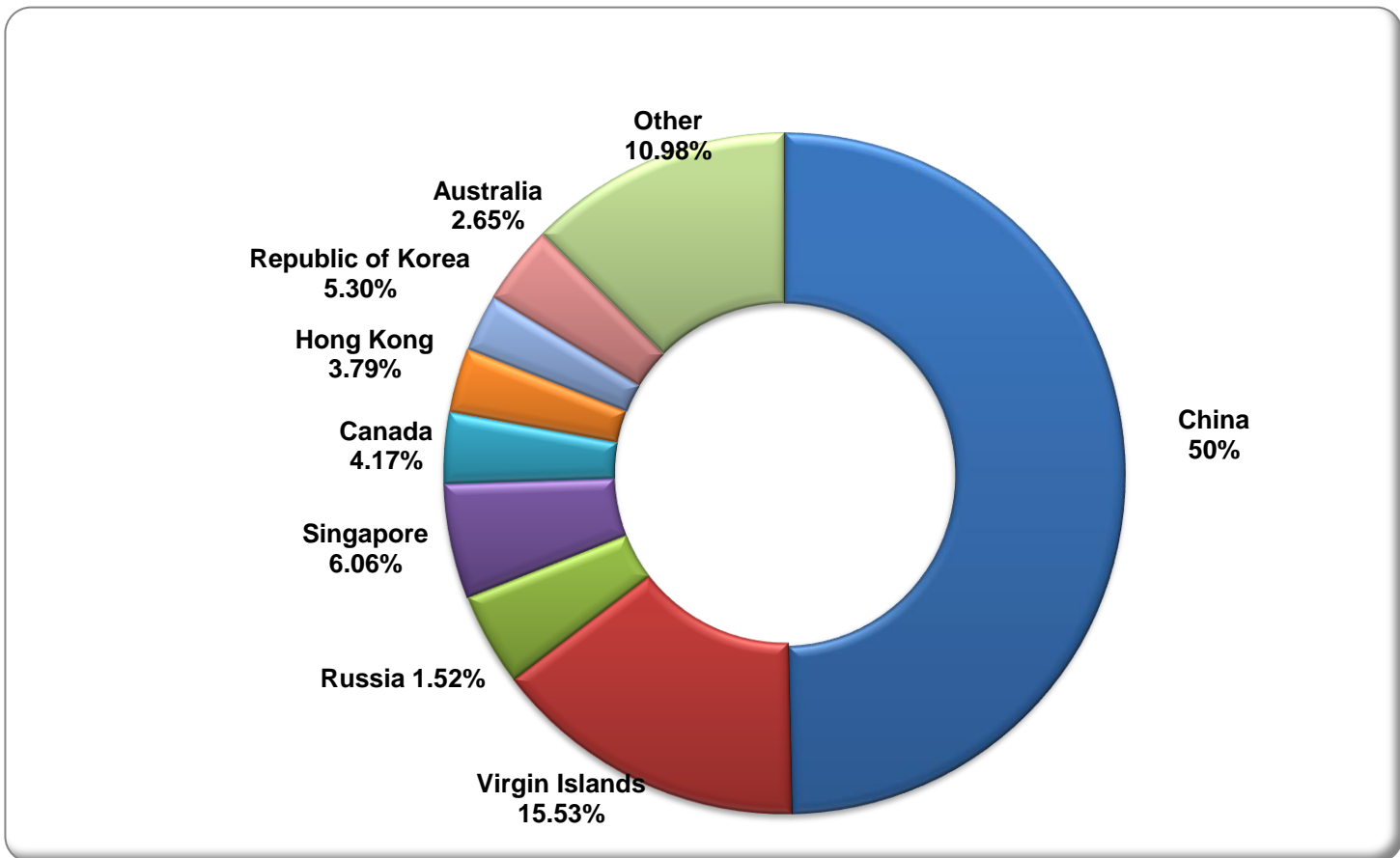
by Aug 05, 2018



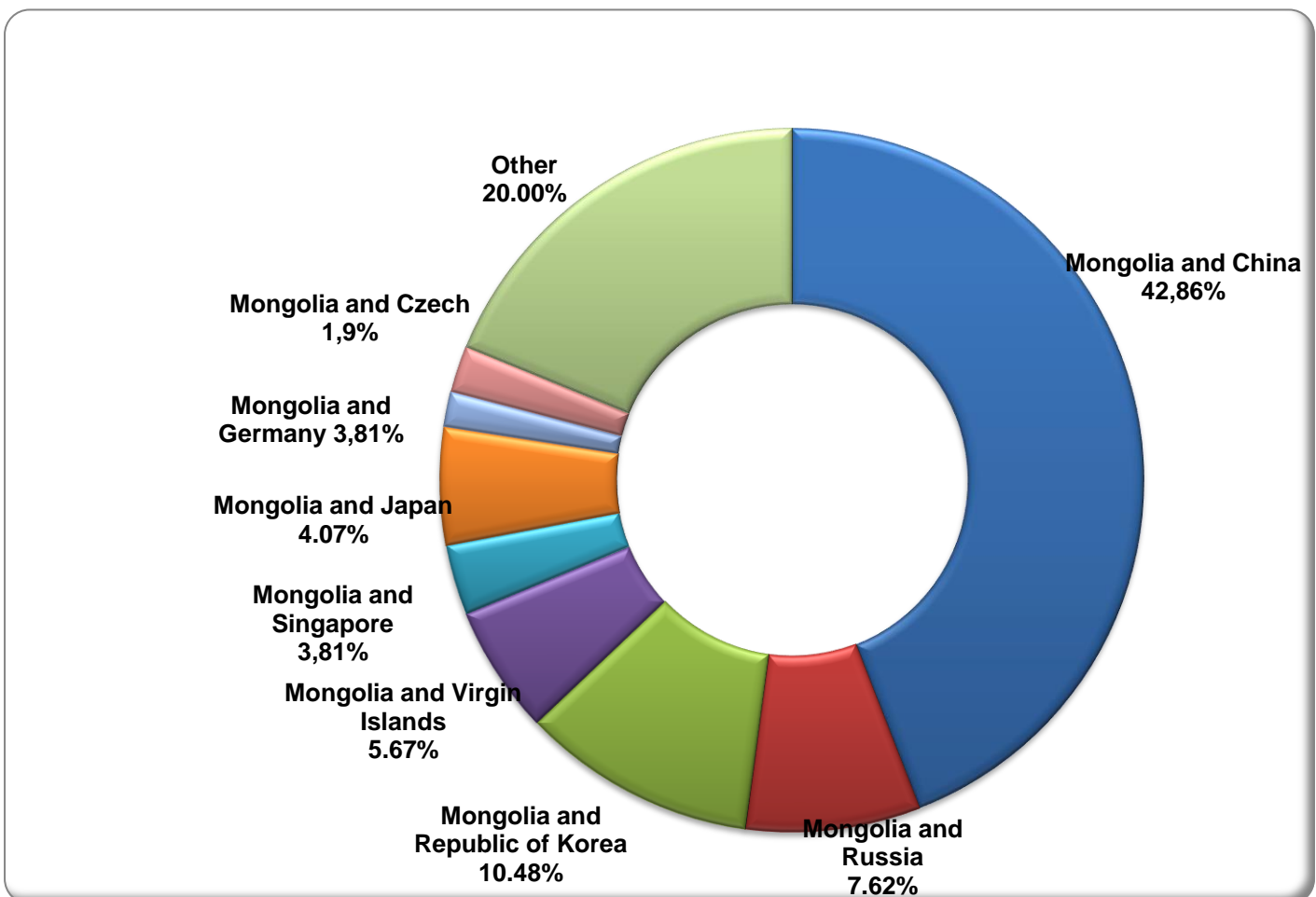
Source: Computerized mining cadastre system, MRPAM



4.8. Composition of foreign invested license holders by countries, by Aug 05, 2018



4.9. Composition of the joint venture license holders by countries



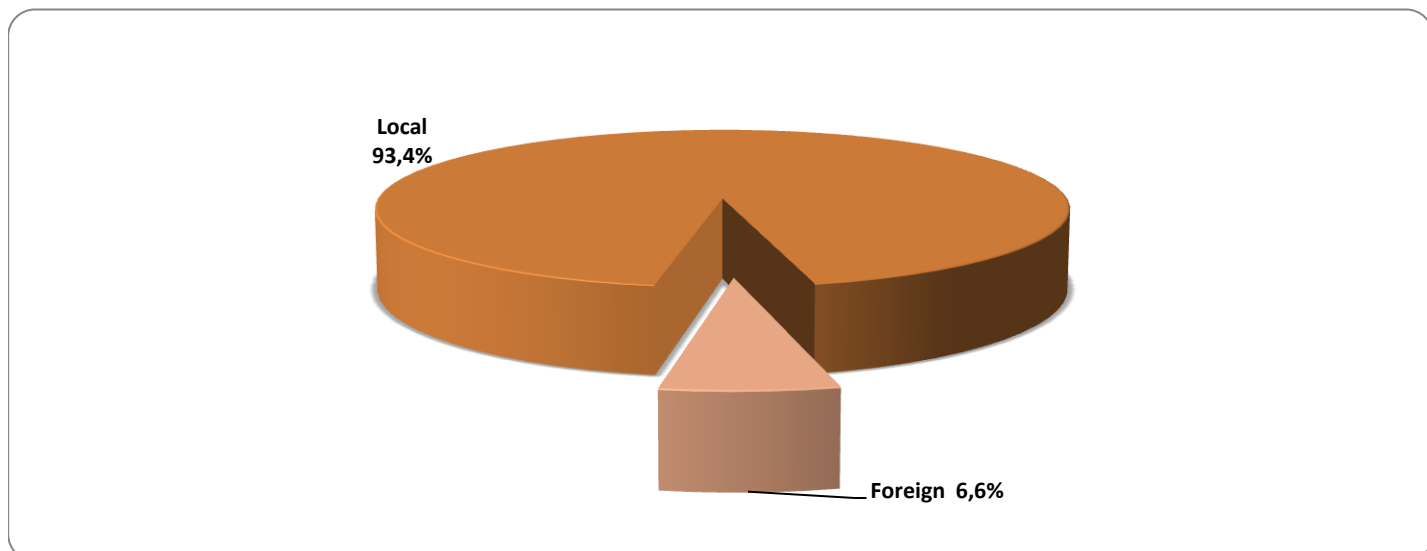
Source: Computerized mining cadastre system, MRPAM



4.10. Origin of license holders

Name of Country	Holder		License		Area /hectare/	
	Тоо	Хувь	Тоо	Хувь	Гектар	Хувь
Total	1940	100,0%	3240	100,00%	9 737 986,3	100,00%
1 Mongolia	1580	0,814433	2558	0,78950617	7247718,45	74,43%
2 China	178	0,0917526	240	0,07407407	498316,08	5,12%
3 Virgin Islands	43	0,0221649	107	0,03302469	379969,29	3,90%
4 South Korea	26	0,0134021	40	0,01234568	109411,34	1,12%
5 Сингапур	22	0,0113402	75	0,02314815	470599,58	4,83%
6 Hong Kong	13	0,006701	28	0,00864198	188731,76	1,94%
7 Canada	12	0,0061856	30	0,00925926	233767,19	2,40%
8 Russia	12	0,0061856	14	0,00432099	7775,27	0,08%
9 Australia	8	0,0041237	65	0,02006173	257329,49	2,64%
10 Japan	7	0,0036082	8	0,00246914	38042,21	0,39%
11 Germany	6	0,0030928	7	0,00216049	13864	0,14%
12 Holland	5	0,0025773	21	0,00648148	133376,99	1,37%
13 Luxemburg	4	0,0020619	8	0,00246914	20095,77	0,21%
14 Czech Republic	4	0,0020619	7	0,00216049	52526,28	0,54%
15 Great Britain	4	0,0020619	7	0,00216049	19669,24	0,20%
16 USA	3	0,0015464	5	0,00154321	3203,59	0,03%
17 Ukraine	2	0,0010309	2	0,00061728	291,84	0,00%
18 Bulgaria	2	0,0010309	4	0,00123457	4784,6	0,05%
19 Bermud	2	0,0010309	3	0,00092593	7314,33	0,08%
20 Poland	1	0,0005155	1	0,00030864	1561,28	0,02%
21 Seychelles	1	0,0005155	1	0,00030864	36390,95	0,37%
22 Hungary	1	0,0005155	1	0,00030864	87,42	0,00%
23 Barbados	1	0,0005155	3	0,00092593	10039,97	0,10%
24 New Zealand	1	0,0005155	2	0,00061728	151,65	0,00%
25 Malaysia	1	0,0005155	2	0,00061728	2416,53	0,02%
26 Kazakhstan	1	0,0005155	1	0,00030864	551,23	0,01%

4.11. License holders by Investors, July, 2018



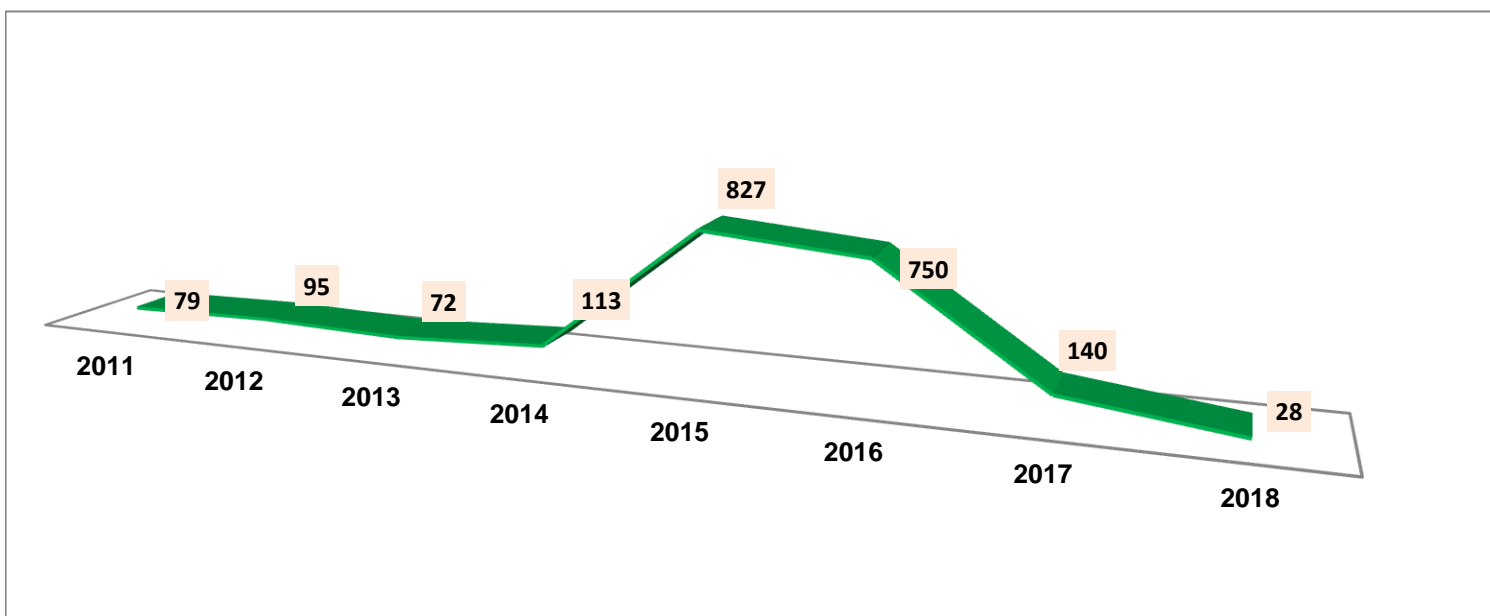
Source: Computerized mining cadastre system, MRPAM



4.12. Changes in license registry, 2011-July, 2018

Type of registration	2011	2012	2013	2014	2015	2016	2017	July, 2018
1. New issued	79	95	72	113	827	750	151	28
<i>Mining</i>	79	95	72	97	91	93	77	23
<i>Exploration</i>	0	0	0	2	697	629	41	5
<i>Selection processed</i>	–	–	–	14	39	28	33	0
2. Reversed	89	141	146	119	150	166	97	58
<i>Mining</i>	4	7	16	13	25	25	13	8
<i>Exploration</i>	85	134	130	106	125	141	84	50
3. Canceled	275	270	347	123	173	241	237	91
<i>Mining</i>	65	139	43	14	10	37	35	10
<i>Exploration</i>	210	131	304	109	163	204	202	81
4. Expired	225	175	253	289	179	124	176	92
5. Transferred	441	200	8	51	88	146	136	117
<i>Mining</i>	58	47	8	38	46	50	62	31
<i>Exploration</i>	383	153	0	13	42	96	74	86
6. Extended	997	601	317	444	336	167	162	272
7. Pledged	62	38	61	40	22	29	39	29
<i>Mining</i>	39	22	42	34	22	27	34	29
<i>Exploration</i>	23	16	19	6	0	2	5	0
8. Terminated pledges	28	42	31	29	24	16	39	16
<i>Mining</i>	8	15	29	24	19	12	38	15
<i>Exploration</i>	20	27	2	5	5	4	1	1
9. Refunded	94	56	15	11	19	35	26	31
<i>Mining</i>	29	16	9	7	10	15	19	10
<i>Exploration</i>	65	40	6	4	9	20	7	21

4.13. Number of issued licenses, July, 2018

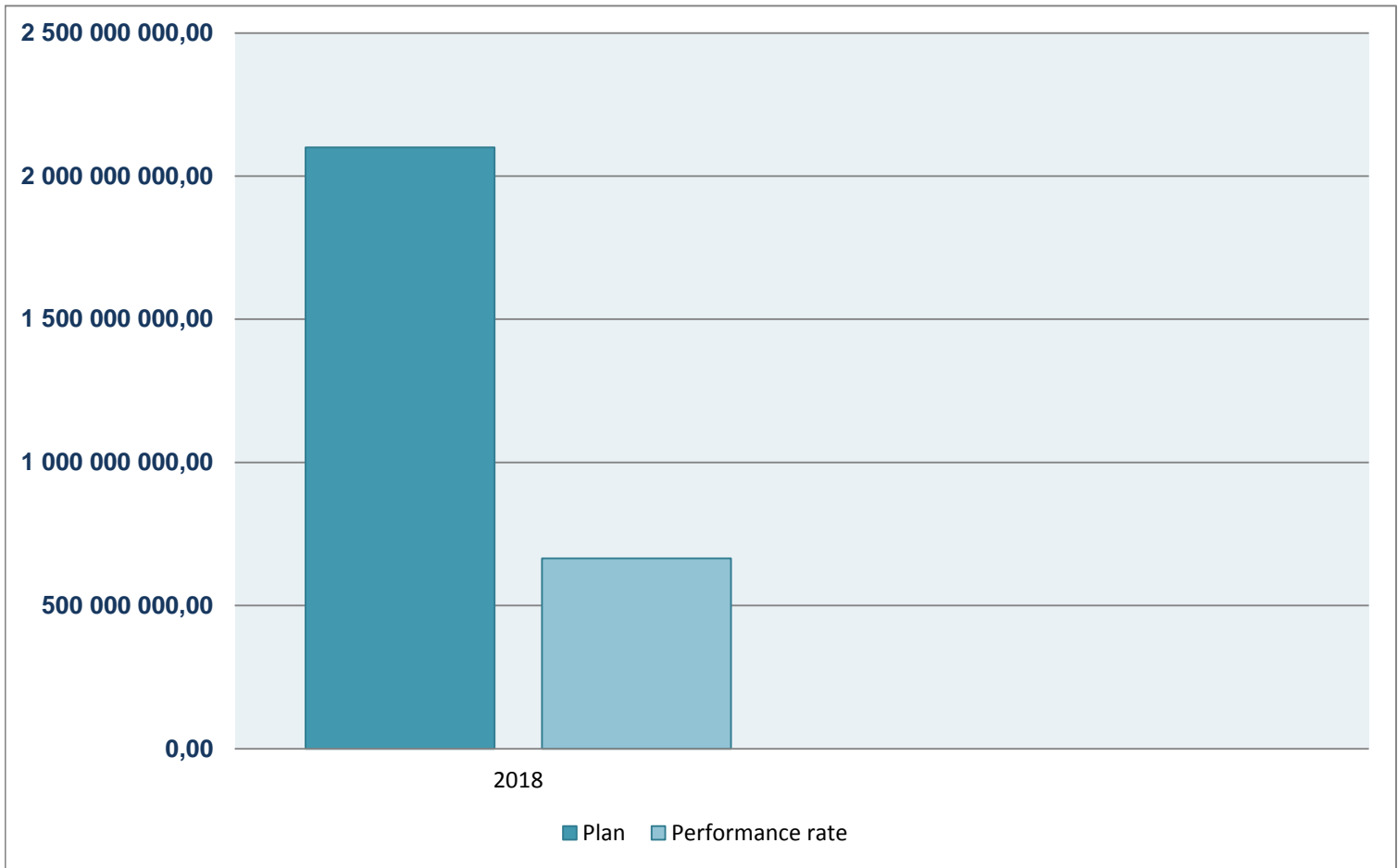


Source: Computerized mining cadastre system, MRPAM



5. Concentration of exploration expenditure

5.1. Reimbursement of deposits explored by the state budget, MNT



In 2018, According to the reimbursement contract, MNT 2,100,000,000 was planned, out of it, MNT 664 636 675,28 was paid back by the July of 2018. /in increasing amount /



6. State investment revenue

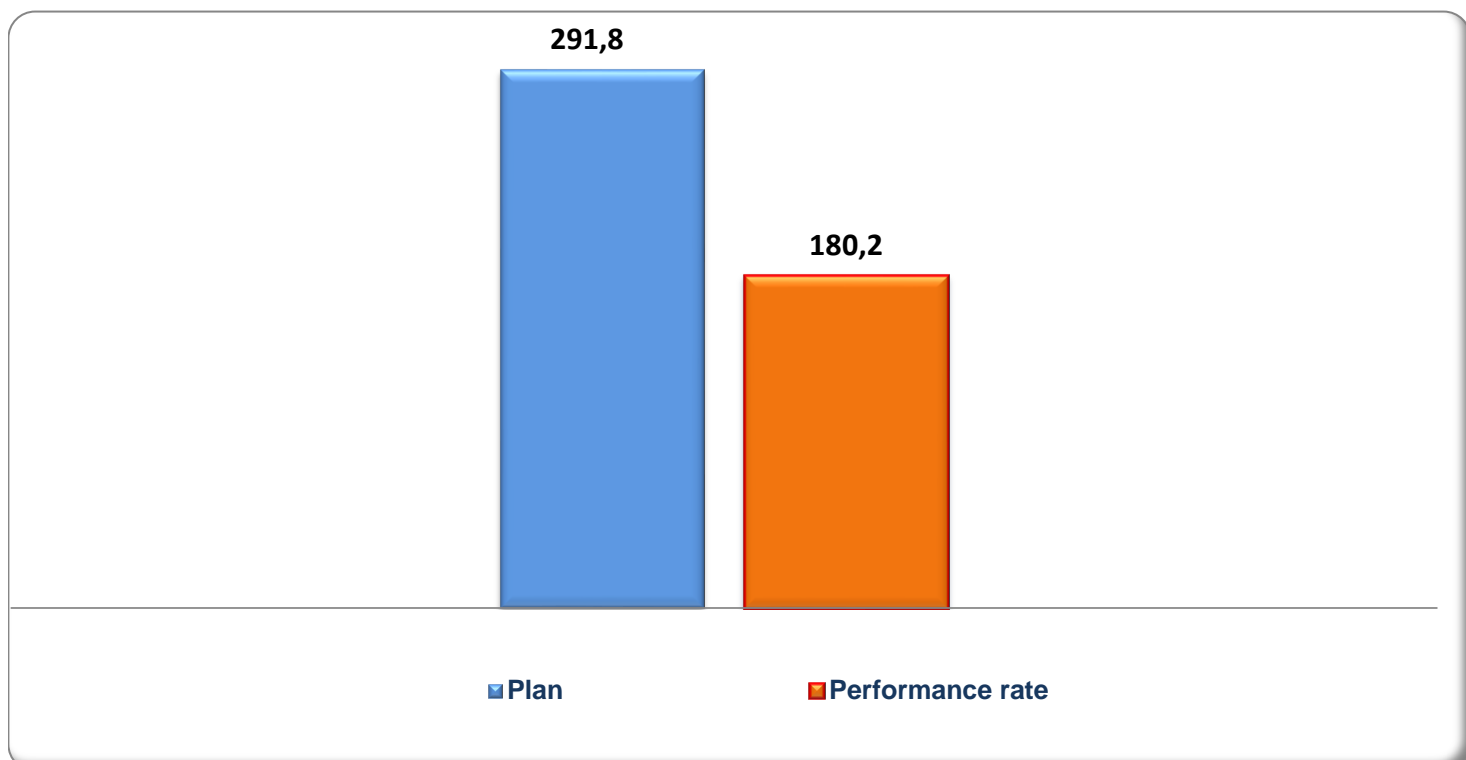
6.1. Budget revenue performance, MNT, July, 2018

Income type		Plan of 2018	Performance rate, July, 2018	Performance rate, Jan-July, 2018	Performance rate, 2018, %
№	State budget revenues	291 808 115 046	28 036 415 521	180 159 076 897	61,74%
1	License fee	37 000 000 000	3 205 022 570	19 464 189 091	52,61%
2	Reimbursement	2 100 000 000	343 561 972	664 636 675	31,65%
3	Petroleum revenues	223 448 349 919	21 235 307 645	135 969 554 739	60,85%
4	Other revenues /Service revenues/	6 109 765 127	117 801 670	3 372 199 338	55,19%
5	Own income /Selection of tender/	23 150 000 000	-	-	0%

Other revenues

№	Revenue type	Plan of 2018	Performance rate, July, 2018	Performance rate, Jan-July, 2018	Performance rate, July, 2018, %
1	Service revenue /mineral resources/	3 717 273 977	117 801 670	1 394 477 015	37,51%
2	Service revenue /petroleum/	2 392 491 150	-	1 977 722 323	82,66%
3	Interest Income	0	-	17 158 446	-

6.3. Income plan and performance rate, bln.MNT, Jan-July, 2018

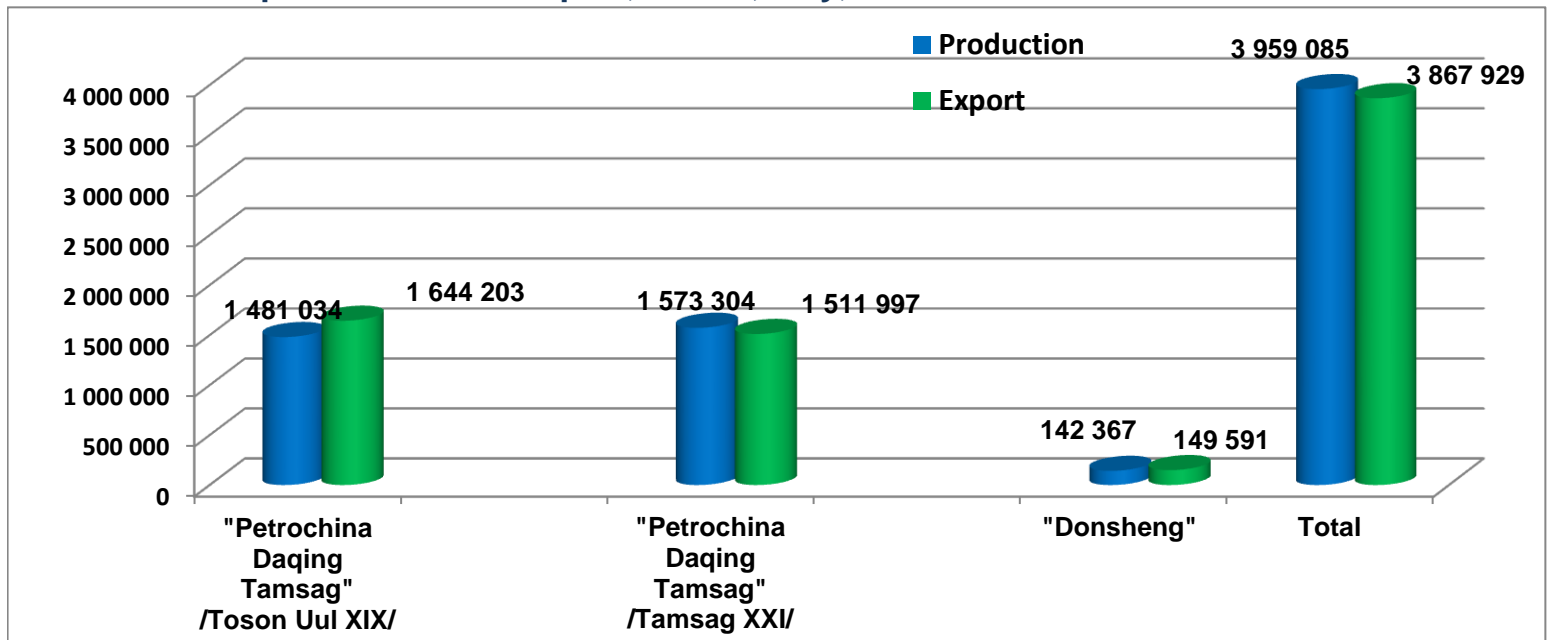


Source: Administration and Management Division, MRPAM



7. PETROLEUM STATISTICS

7.1. Petroleum production and export, barrel, July, 2018



7.2. Petroleum production and export, by companies

No	Type, size	"Petrochina Daqing Tamsag" /Toson Uul XIX/	"Petrochina Daqing Tamsag" /Tamsag XXI/	"Donsheng"	Total
1	Production	1 481 034	1 573 304	142 367	3 959 085
2	Export	1 644 203	1 511 997	149 591	3 867 929

Source: Petroleum Production Division, MRPAM

7.3. Petroleum products importing, tn, July, 2018

No	State name	A-80	AI-92	AI-95	AI-98	DT	TC-1	liquefied gas	Other	Total
1	Russia	10899,5	29989,66	1688,64	60,46	101 716,6	4974,2	235,1	38322,98	187 887,1
2	China	-	-	-	-	763,2	-	-	114,5894	877,8
3	Republic of Korea	-	-	-	-	-	-	-	942,068	942,1
4	Other countries	-	-	-	-	-	-	-	1654,198	1 654,2
Total		10 899,5	29 989,7	1 688,6	60,5	102 479,8	4 974,2	235,1	41 033,8	191 361,1

Source : Petroleum Product Division, MRPAM



7.4. The residue of petroleum products and company

By the 31 July, 2018

№	Company name	A-80	AI-92	AI-95	Diesel	TC-1	Total
		t	t	t	t	t	t
1	NIC JSC	2 751,7	5 546,3	632,0	16 646,7	-	25 576,7
2	Petrkstar LLC	392,7	2 056,5	657,5	7 579,8	-	10 686,5
3	Magnai Trade LLC	690,0	3 818,0	678,0	5 898,0	61,0	11 145,0
4	Shunkhlai Group LLC	1 027,4	3 086,6	471,2	15 808,0		20 393,2
5	Sod Mongol Group LLC	814,8	989,8	232,9	5 815,5	2 254,0	10 107,0
6	Petrojump LLC	-	15,5	9,9	189,1	-	214,5
7	M-Oil Group LLC	119,0	238,9	104,6	7 541,4	-	8 003,9
8	Rysjan LLC	292,4	176,0	-	641,0	-	1 109,5
9	Just Oil LLC	49,4	280,3	3,9	236,1	-	569,8
10	Oin Birj LLC	1 066,3	1 612,9	237,9	4 869,5	-	7 786,6
11	Sinchi Oil LLC	266,9	475,3	43,5	805,6	-	1 591,3
12	Khurs Autoservice LLC	193,6	155,8	-	376,5	-	725,9
13	New Energy Star LLC	62,5	306,1	33,5	1 009,9	-	1 412,0
14	Undarga Uvs LLC	77,2	142,3	-	299,4	-	518,9
15	Monsuli LLC	138,1	313,8	85,0	3 174,4	-	3 711,3
16	ICIC LLC	-	542,4	3,5	4 646,6	-	5 192,5
17	Khazyna LLC	60,0	25,0	-	50,0	-	135,0
18	Tod Petroleum LLC	-	-	-	1 363,1	-	1 363,1
19	Palamino Oil and Energy LLC	-	-	-	89,0	-	89,0
20	Welcome LLC	-	-	-	736,0	-	736,0
21	Petroeum Production LLC	-	-	-	1 454,2	-	1 454,2
22	Naran Petroleum LLC	-	-	-	3 741,3	-	3 741,3
Total		8 002,0	19 781,5	3 193,5	82 971,0	2 315,0	116 263,1

Explanation:

1. The residual data is based on the residual data of petroleum products import and wholesale and retail trade in Mongolia.

2. As of 31 July 2018, the average daily consumption of 37 days of petroleum products is available nationwide, of which A-80 gasoline 58, AI-92 gasoline 21, diesel fuel 42 and TC-1 fuel 27 days .

3. The 30 days use of the Government of Mongolia in accordance with Resolution 297 of 2017 (4100 tons of A-80, 29000 tons of AI-92, 59000 tons of DT-92, TC-2600 tons).

4. In July 2018, the fuel from Russia to Sukhbaatar port was less than 90 octane, 567 tons of gasoline, 16770 tons of octane gasoline, 73380 tons of diesel fuel, 1004 tons of fossil fuel and other products 16324 tons or 113,114 tons of Eeltsav 570.8 tons of octane gasoline, 570.8 tons of gasoline, 656.7 tons of diesel fuel, 2733 tons of diesel fuel, 3960.5 tons of diesel fuel, 229.2 tons of octane gasoline at Borshoo port, 317 tons of gasoline octane with 90 oz and diesel fuel 580 tons or 1126.2 tons or 118,200.7 tons of oil products in Mongolia на.

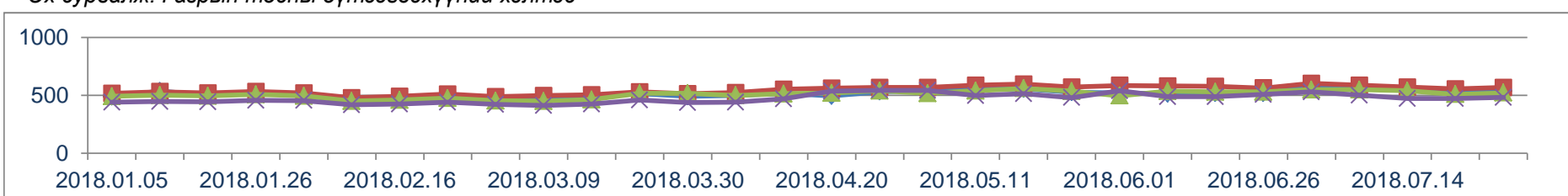
Source : News from companies and Petroleum Product Division, MRPAM

7.4. The world average price of petroleum products are selling retail sale, July, 2018

US\$/t

Он сар өдөр	Нью-Йорк		Лондон		OXY		БНХАУ	
	WTI		BRENT		URALS 32'		DAQING 33'	
2017.05.05	355,19	↓ -6,20%	362,69	↓ -5,27%	342,38	↓ -5,07%	305,27	↓ -5,85%
2017.05.12	369,00	↑ 3,89%	375,87	↑ 3,63%	354,47	↑ 3,53%	322,21	↑ 5,55%
2017.05.19	391,16	↑ 6,01%	401,10	↑ 6,71%	376,98	↑ 6,35%	341,47	↑ 5,98%
2017.05.26	383,91	↓ -1,86%	389,09	↓ -2,99%	363,90	↓ -3,47%	329,77	↓ -3,43%
2017.06.02	366,43	↓ -4,55%	371,16	↓ -4,61%	348,56	↓ -4,22%	316,17	↓ -4,12%
2017.06.09	352,15	↓ -3,90%	356,99	↓ -3,82%	336,90	↓ -3,34%	306,29	↓ -3,13%
2017.06.16	341,30	↓ -3,08%	349,62	↓ -2,06%	331,60	↓ -1,57%	303,89	↓ -0,78%
2017.06.23	325,31	↓ -4,69%	339,25	↓ -2,97%	323,63	↓ -2,40%	286,29	↓ -5,79%
2017.06.30	359,25	↑ 10,43%	364,10	↑ 7,32%	343,33	↑ 6,09%	306,79	↑ 7,16%
2017.07.14	363,15	↑ 1,09%	371,62	↑ 2,07%	351,81	↑ 2,47%	311,16	↑ 1,42%
2017.07.21	357,14	↓ -1,65%	365,16	↓ -1,74%	345,81	↓ -1,70%	320,61	↑ 3,04%
2017.07.28	378,91	↑ 6,10%	392,85	↑ 7,58%	374,10	↑ 8,18%	334,86	↑ 4,44%
2017.08.04	381,02	↑ 0,56%	398,59	↑ 1,46%	378,41	↑ 1,15%	332,82	↓ -0,61%
2017.08.11	376,65	↓ -1,15%	391,18	↓ -1,86%	373,33	↓ -1,34%	330,35	↓ -0,74%
2017.08.18	382,82	↑ 1,64%	386,85	↓ -1,11%	367,70	↓ -1,51%	331,73	↑ 0,42%
2017.08.25	370,10	↓ -3,32%	395,67	↑ 2,28%	366,73	↓ -0,26%	344,02	↑ 3,70%
2017.09.01	369,78	↓ -0,08%	397,53	↑ 0,47%	376,65	↑ 2,71%	341,69	↓ -0,68%
2017.09.08	360,73	↓ -2,45%	413,56	↑ 4,03%	383,30	↑ 1,77%	361,6098	↑ 5,83%
2017.09.22	395,30	↑ 1,50%	432,02	↑ 2,49%	402,96	↑ 2,13%	366,41	↑ 2,02%
2017.09.29	399,67	↑ 1,11%	434,38	↑ 0,55%	399,20	↓ -0,93%	379,64	↑ 3,61%
2017.10.06	389,14	↓ -2,64%	426,87	↓ -1,73%	402,90	↑ 0,93%	370,72	↓ -2,35%
2017.10.13	401,85	↑ 3,27%	429,51	↑ 0,62%	406,32	↑ 0,85%	378,69	↑ 2,15%
2017.10.20	401,62	↓ -0,06%	437,61	↑ 1,88%	406,07	↓ -0,06%	379,28	↑ 0,15%
2017.10.27	423,70	↑ 5,50%	458,43	↑ 4,76%	430,26	↑ 5,96%	388,15	↑ 2,34%
2017.11.03	436,89	↑ 3,11%	465,83	↑ 1,62%	438,70	↑ 1,96%	399,78	↑ 3,00%
2017.11.10	445,47	↑ 1,96%	487,87	↑ 4,73%	458,65	↑ 4,55%	420,50	↑ 5,18%
2017.11.17	443,21	↓ -0,51%	470,39	↓ -3,58%	448,71	↓ -2,17%	401,81	↓ -4,44%
2017.11.24	459,99	↑ 3,79%	481,94	↑ 2,46%	456,02	↑ 1,63%	416,57	↑ 3,67%
2017.12.01	459,67	↓ -0,07%	490,18	↑ 1,71%	462,63	↑ 1,45%	411,41	↓ -1,24%
2017.12.08	448,75	↓ -2,38%	485,89	↓ -0,88%	459,97	↓ -0,58%	404,79	↓ -1,61%
2017.12.15	447,11	↓ -0,37%	484,22	↓ -0,34%	461,94	↑ 0,43%	415,04	↑ 2,53%
2017.12.22	465,61	↑ 4,14%	488,48	↑ 0,88%	466,91	↑ 1,08%	423,84	↑ 2,12%
2017.12.29	476,14	↑ 2,26%	505,49	↑ 3,48%	482,04	↑ 3,24%	436,13	↑ 2,90%
2018.01.05	486,83	↑ 2,25%	517,88	↑ 2,45%	490,51	↑ 1,76%	441,58	↑ 1,25%
2018.01.12	513,83	↑ 5,55%	531,29	↑ 2,59%	502,13	↑ 2,37%	447,25	↑ 1,28%
2018.01.23	502,67	↓ -2,17%	520,92	↓ -1,95%	494,68	↓ -1,48%	443,40	↓ -0,86%
2018.01.26	518,43	↑ 3,14%	532,05	↑ 2,14%	507,94	↑ 2,68%	454,96	↑ 2,61%
2018.02.02	510,71	↓ -1,49%	521,07	↓ -2,06%	494,90	↓ -2,57%	454,81	↓ -0,03%
2018.02.09	458,82	↓ -10,16%	478,52	↓ -8,17%	448,86	↓ -9,30%	418,75	↓ -7,93%
2018.02.16	481,29	↑ 4,90%	492,65	↑ 2,95%	459,75	↑ 2,43%	424,57	↑ 1,39%
2018.02.26	498,69	↑ 3,62%	509,45	↑ 3,41%	475,39	↑ 3,40%	439,84	↑ 3,60%
2018.03.02	477,93	↓ -4,16%	489,08	↓ -4,00%	454,27	↓ -4,44%	420,93	↓ -4,30%
2018.03.09	484,10	↑ 1,29%	497,59	↑ 1,74%	451,20	↓ -0,68%	412,94	↓ -1,90%
2018.03.16	486,44	↑ 0,48%	503,06	↑ 1,10%	463,84	↑ 2,80%	425,30	↑ 2,99%
2018.03.23	512,81	↑ 5,42%	529,05	↑ 5,17%	516,82	↑ 11,42%	458,74	↑ 7,86%
2018.03.30	492,68	↓ -3,93%	514,46	↓ -2,76%	516,82	↓ 0,00%	436,93	↓ -4,75%
2018.04.06	497,52	↑ 0,98%	524,26	↑ 1,91%	499,21	↓ -3,41%	439,11	↑ 0,50%
2018.04.13	518,12	↑ 4,14%	550,55	↑ 5,01%	512,29	↑ 2,62%	470,37	↑ 7,12%
2018.04.20	494,55	↓ -4,55%	562,71	↑ 2,21%	521,06	↑ 1,71%	537,25	↑ 14,22%
2018.04.27	531,38	↑ 7,45%	567,11	↑ 0,78%	539,11	↑ 3,46%	543,80	↑ 1,22%
2018.05.04	544,03	↑ 2,38%	568,86	↑ 0,31%	515,80	↓ -4,32%	542,34	↓ -0,27%
2018.05.11	551,67	↑ 1,41%	586,41	↑ 3,09%	539,70	↑ 4,63%	497,63	↓ -8,24%
2018.05.18	556,20	↑ 0,82%	596,52	↑ 1,72%	559,94	↑ 3,75%	514,72	↑ 3,43%
2018.05.25	527,01	↓ -5,25%	570,84	↓ -4,31%	536,41	↓ -4,20%	479,97	↓ -6,75%
2018.06.01	518,67	↓ -1,58%	585,43	↑ 2,56%	496,21	↓ -7,49%	487,67	↑ 1,61%
2018.06.08	512,58	↓ -1,17%	580,56	↓ -0,83%	535,75	↑ 7,97%	487,09	↓ -0,12%
2018.06.15	520,38	↑ 1,52%	576,99	↓ -0,62%	530,93	↓ -0,90%	487,09	↓ 0,00%
2018.06.26	518,35	↓ -0,39%	563,01	↓ -2,42%	529,10	↓ -0,34%	508,6092	↑ 4,42%
2018.07.03	578,59	↑ 11,62%	601,99	↑ 6,92%	549,78	↑ 3,91%	528,8925	↑ 3,99%
2018.07.06	576,80	↓ -0,31%	585,96	↓ -2,66%	549,78	↓ 0,00%	502,2843	↓ -5,03%
2018.07.13	554,09	↓ -3,94%	572,36	↓ -2,32%	540,43	↓ -1,70%	470,9506	↓ -6,24%
2018.07.20	532,63	↓ -3,87%	555,19	↓ -3,00%	509,00	↓ -5,81%	472,8408	↑ 0,40%
2018.07.27	535,99	↑ 0,63%	568,03	↑ 2,31%	521,79	↑ 2,51%	480,4743	↑ 1,61%

Эх сурвалж: Газрын тосны бүтээгдэхүүний хэлтэс





7.5. The average retail price of petroleum products sold throughout Mongolia, July, 2018

/MNT/

Number	Zone name	Pillar centre	Province, city	Type							
				A-80		AI-92		AI-95		DT	
				July 24	July 31	July 24	July 31	July 24	July 31	July 31	July 31
1	Western region	Khovd, Uliastai	Bayan-Ulgii	1700	1700	1820	1820	-	-	1890	1890
2			Govi-Altai	1820	1820	1930	1930	-	-	2230	2230
3			Zavkhan	1890	1890	1990	1990	-	-	2260	2260
4			Uvs	1830	1830	2010	2010	-	-	2200	2150
5			Hovd	1890	1890	2010	2010	-	-	2200	2200
The average price of western region				1826	1826	1952	1952	-	-	2156	2146
6	Hangai region	Kharkhorin, Eerdenet	Arkhangai	1760	1760	1860	1860	2180	2180	2190	2190
7			Bayankhongor	1760	1760	1870	1870	-	-	2200	2200
8			Bulgan	1690	1690	1830	1830	2120	2120	2130	2130
9			Ovorkhangai	1730	1730	1860	1860	-	-	2180	2180
10			Orkhon	1620	1690	1830	1830	2120	2120	2130	2130
11			Selenge	1650	1650	1800	1800	2120	2120	2110	2110
12			Khuvsgul	1740	1740	1920	1920	2180	2180	2170	2170
The average price of hangai region				1706	1717	1853	1853	2144	2144	2159	2159
13	Central region	Zuunmod, Darkhan	Ulaanbaatar	1662	1670	1830	1800	2120	2110	2110	2100
14			Tuv	1650	1650	1830	1830	2120	2120	2100	2100
15			Darkhan	1620	1620	1830	1830	2120	2120	2130	2130
16			Govisumber	1750	1750	1860	1860	2120	2120	2200	2200
17			Dundgovi	1770	1770	1870	1870	2120	2120	2230	2230
18			Dornogovi	1760	1760	1860	1860	2230	2230	2200	2200
19			Umnugovi	1780	1780	1920	1920	2180	2180	2240	2240
20			Zamin Uud	1745	1745	1895	1895	2230	2230	2200	2200
The average price of central region				1717	1718	1856	1858	2155	2154	2186	2175
21	Eastern region	Choibalsan, Undurkhaan	Dornod	1750	1750	1900	1900	2180	2180	2190	2190
22			Sukhbaatar	1770	1770	1920	1920	2180	2180	2250	2250
23			Khentii	1700	1700	1850	1850	2160	2160	2210	2210
The average price of eastern region				1740	1740	1890	1890	2173	2173	2217	2217
State average price				1747	1750	1888	1888	2157	2157	2180	2175

The retail price main companies /in Ulaanbaatar city/

Number	Company name	A-80	AI-92	AI-95	Diesel
1	"Shunkhlai" LLC	1 645	1 795	2 120	2 095
2	"Sod Mongol" LLC	1 650	1 800	2 080	2 100
3	"Magnai trade" LLC	1 690	1800-1830	2 120	2010-2110
4	"Petrovis" LLC	1 690	1 800	2 120	2 100
Average price		1 669	1 798	2 110	2 098

Source: Aggregated data of the Petroleum Product Division submitted by the entities.

8. Mining and petroleum examination and testing central laboratory statistics

July, 2018

Type of coal	Name	Classification	Border name	Entities	Deposite name	Quality Indicators						
						TM	Adb	Vdaf	St,db	Qnet,ar	FSI	GI
						Weight, %				kcal/k	Index	
Raw coal	Antracite	Antacite	Khangii	IKH GOBI Energy LLC	Mandakh nuur	0,0	0,0	0,0	0,0	0	0,0	0,0
	Coal	Coking	Khangii	COA LLC	Ail Bayan	5,3	19,7	26,0	1,4	6017	7,0	73,5
			Gashuun sukhait	Endens	Baruun, zuun tsankhi	1,8	8,2	21,4	0,56	7172	7,0	73,2
				Tavantolgoi	Tavan tolgoi 4rd orifice	2,5	15,3	28,3	1,05	6457	4,0	59,6
			Weak coking	Gashuun sukhait	Tavantolgoi	Tavan tolgoi 8th orifice	6,6	8,5	34,5	0,70	6859	5,0
		Shivee khuren		Uush zoos	Khuren shand	2,8	7,9	42,2	1,14	7031	6,5	68,9
				Tsagaan uvuljuu	Baruun noyon uul	-	-	-	-	-	-	-
				SGS LLC	Чинхуа мак	2,2	5,4	33,4	0,56	7198	6,0	68,5
		Chinkhua Mak LLC		SGS	4,0	10,2	40,3	2,03	6653	5,5	60,5	
		Mak LLC		Mogoin gol	4,5	17,0	33,9	1,27	6529	9,0	99,3	
		Zamiin Uud			Bor khul	-	-	-	-	-	-	-
		Non-coking coking	Khangii	COA LLC	Ail Bayan	7,2	53,3	27,1	0,4	3322	0,0	0,0
			Gashuun sukhait	Tavan tolgoi	ITT Energy	4,8	25,2	26,1	0,77	5180	0,0	0,0
				Endens	Tavan tolgoi energy	1,1	30,5	32,4	0,82	5250	1,0	15,9
			Shivee khuren	Usukh zoog	Khuren shand	2,9	31,7	76,4	0,47	5206	1,0	7,9
				Mak XXK	Nariin sukhait	6,2	15,5	39,1	0,96	5770	3,0	34,2
	Chinkhua Mak LLC											
	Gavkhilant ord		Zangat Uul	-	-	-	-	-	-	-		
	Other	Zamiin Uud	Chingis Khar Alt LLC	Dalan Chkha	1,7	20,7	23,4	0,33	5852	0,0	0,0	
			Shtain coal	Dalan Shtain	6,6	18,2	42,4	1,09	5870	0,0	0,0	
			CIG LLC	Dalan FShR	0,0	0,0	0,0	0,00	0	0,0	0,0	
			Friendship resource LLC	Bayantsogt	0	0,0	0,0	0,00	0	0,0	0,0	
	Brown coal	Bichigt	Erdeniin bosgo LLC	Khuut	6,7	11,1	24,3	0,68	6776	7,0	70,8	
Circon geology LLC			Ukhaa khudag	1,6	21,5	19,8	0,53	6048	6,0	74,5		
Washed coal	Coal	Coking	Gashuun sukhait	Energy resource	Khushuut	6,7	9,2	33,8	0,69	6658	4,0	50,9
			Yarant	Mo and Co LLC	Ukhaa khudag	0,0	0,0	0,0	0,00	0	0,0	0,0
		Noncoking	Gashuun sukhait	Tumen zaag LLC	SGS	0,0	0,0	0,0	0,00	0	0,0	0,0
			Gashuun sukhait	Energy resource LLC	-	4,4	21,4	23,2	1,16	5939	1,5	18,9
Cox	27,04-0010	Gashuun sukhait		Coke	-	-	-	-	-	-	-	

Source: Mining and Petroleum Central Laboratory



Mineral Resources and Petroleum Authority of Mongolia