



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2019/08



www.mrpam.gov.mn

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Valid mining and exploration licenses **2892** (2019.IX.03)

Valid licensed area size **7.8 mln.ha** (2019.IX.03)

Percent of total licensed area in Mongolia's territory **5.0%** (2019.IX.03)

Average price of gold on the world market **1498.8** US\$/ounce (2019.VIII)

Average price of copper on the world market **5707.6** US\$/tons (2019.VIII)

Average price of thermal coal on the world market **28.6** US\$/tons (2019.VIII)

Average price of coking coal on the world market **132.5** US\$/tons (2019.VIII)

Coal production **38356.1** thousand tons (2019.I-VIII)

Coal sale **31130.8** thousand tons (2019.I-VIII)

Coal export **25025.4** thousand tons (2019.I-VIII)

Petroleum production **4552691** barrel (2019.I-VIII)

Petroleum export **4290009** barrel (2019.I-VIII)

Petroleum import **1404148** tons (2019.I-VIII)

Average price of gasoline A-80 **1844** MNT (2019.VIII.27)

Average price of gasoline AI-92 **1920** MNT (2019.VIII.27)

Average price of gasoline AI-95 **2260** MNT (2019.VIII.27)

Average price of diesel fuel **2432** MNT (2019.VIII.27)

Copper cathode 99% production **8206.6** tons (2019.I-VIII)

Metal steel production **20056.1** tons (2019.I-VIII)

Metal foundries production **20274.5** tons (2019.I-VIII)

Steel casting production **5511.4** tons (2019.I-VIII)

Electric wire production **56.1** tons (2019.I-VIII)

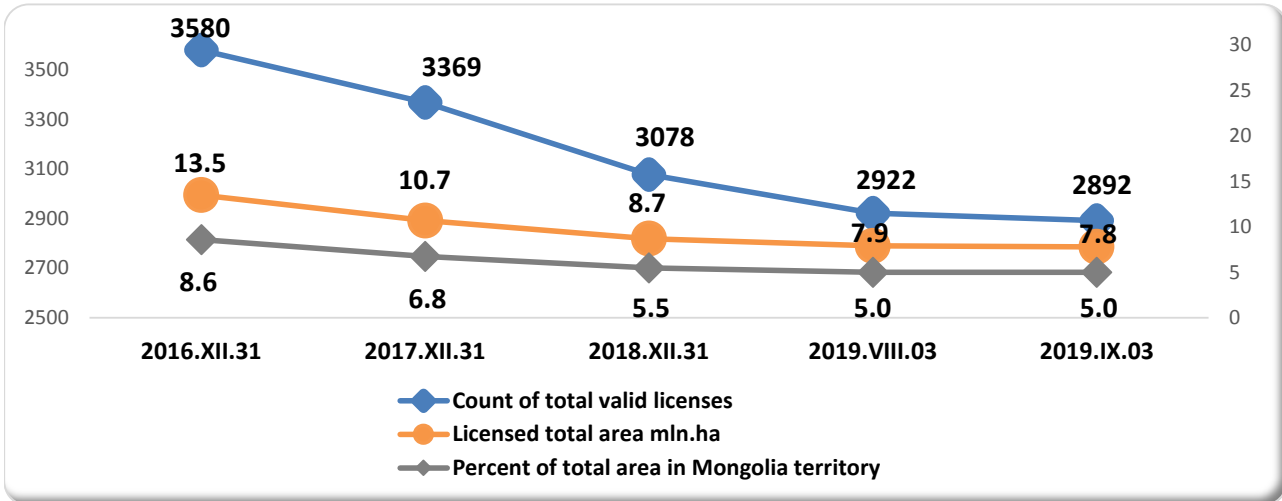
Performance rate of MRPAM's budget revenue **48.9%** (2019.I-VIII)

1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces, 2019.IX.03

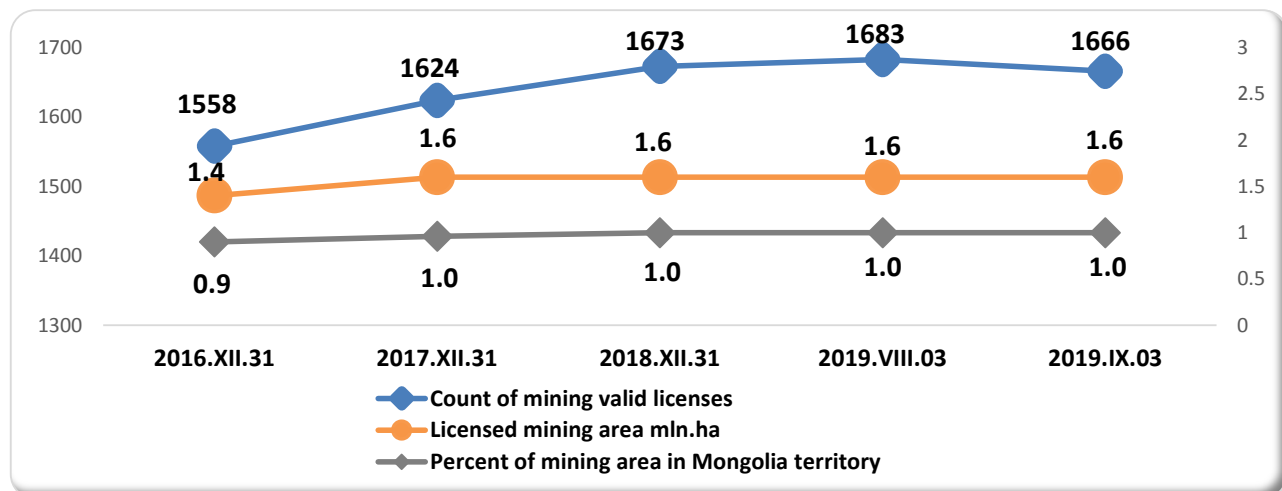
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2892	7,818.7	5.0%	1666	1,617.0	1.0%	1226	6,201.7	4.0%
Arkhangai	22	61.5	1.1%	15	6.2	0.1%	7	55.3	1.0%
Bayan-Ulgii	65	165.3	3.6%	28	15.4	0.3%	37	150.0	3.3%
Bayankhongor	164	393.7	3.4%	93	119.2	1.0%	71	274.5	2.4%
Bulgan	113	139.4	2.9%	74	35.7	0.7%	39	103.6	2.1%
Uvurkhangai	48	136.0	2.2%	28	15.7	0.2%	20	120.4	1.9%
Govi-Altai	149	742.6	5.2%	51	89.3	0.6%	98	653.4	4.6%
Govisumber	18	45.6	8.2%	13	38.9	7.0%	5	6.7	1.2%
Darkhan Uul	72	17.0	5.2%	63	7.8	2.4%	9	9.2	2.8%
Dornogovi	360	1,371.8	12.5%	184	228.5	2.1%	176	1,143.3	10.5%
Dornod	157	506.2	4.1%	74	63.1	0.5%	83	443.2	3.6%
Dundgovi	213	752.4	10.1%	102	176.5	2.4%	111	576.0	7.7%
Zavhan	58	281.7	3.4%	10	15.0	0.2%	48	266.7	3.2%
Umnugovi	187	1,201.7	7.3%	90	440.4	2.7%	97	761.2	4.6%
Orkhon	9	11.1	13.2%	9	11.1	13.2%	0	0.0	0.0%
Sukhbaatar	99	385.1	4.7%	63	49.2	0.6%	36	335.9	4.1%
Selenge	181	97.7	2.4%	142	42.9	1.0%	39	54.7	1.3%
Tuv	407	407.0	5.5%	299	151.8	2.1%	108	255.2	3.4%
Uvs	131	399.8	5.7%	49	21.4	0.3%	82	378.4	5.4%
Ulaanbaatar	173	14.8	3.1%	160	12.2	2.6%	13	2.6	0.5%
Khuvsgul	27	18.6	0.2%	21	10.3	0.1%	6	8.4	0.1%
Khovd	110	292.0	3.8%	35	14.0	0.2%	75	278.0	3.7%
Khentii	225	377.6	4.7%	121	52.4	0.6%	104	325.1	4.0%

Source: Cadastre Division, MRPAM

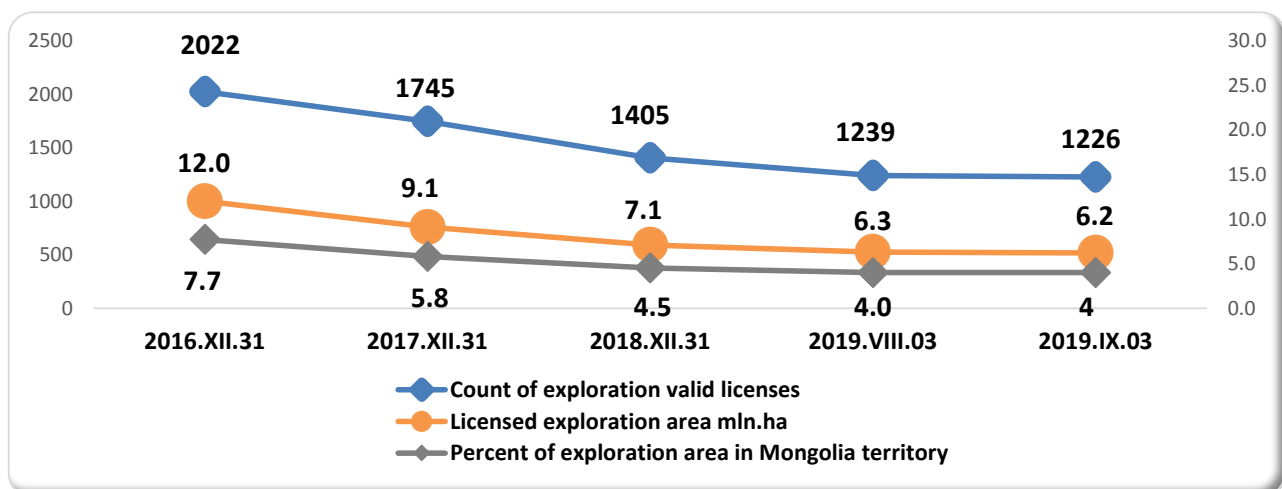
1.2. COUNT OF TOTAL VALID LICENSES, LICENSED TOTAL AREA AND PERCENT OF TOTAL AREA IN MONGOLIA'S TERRITORY, 2016-2019



1.3. COUNT OF VALID MINING LICENSES, MINING LICENSED AREA AND PERCENT OF TOTAL MINING AREA IN MONGOLIA'S TERRITORY, 2016-2019



1.4. COUNT OF VALID EXPLORATION LICENSES, EXPLORATION LICENSED AREA AND PERCENT OF TOTAL EXPLORATION AREA IN MONGOLIA'S TERRITORY, 2016-2019



Source: Cadastre Division, MRPAM

1.5. COUNT OF MINING LICENSE, by type of minerals, 2019.IX.03

Ашигт малтмалын төрөл	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1666	100%	1,616,958.5	100%
Coal	297	17.8%	783,554.2	48.5%
Gold	544	32.7%	244,800.8	15.1%
Copper	21	1.3%	92,463.5	5.7%
Gold, Copper	14	0.8%	85,749.4	5.3%
Uranium	7	0.4%	76,866.1	4.8%
Construction materials	110	6.6%	58,408.3	3.6%
Iron	75	4.5%	45,862.6	2.8%
Fluorite	185	11.1%	28,808.4	1.8%
Concentrated metal	12	0.7%	26,326.3	1.6%
Graphite	7	0.4%	23,893.9	1.5%
Continental / common mineral	202	12.1%	20,229.0	1.3%
Chromium	1	0.1%	15,805.8	1.0%
Molybdenum	7	0.4%	10,146.4	0.6%
Molybdenum, Copper	4	0.2%	9,342.5	0.6%
Tungsten	29	1.7%	8,741.8	0.5%
Manganese	4	0.2%	7,507.0	0.5%
Gold, Silver	2	0.1%	6,699.9	0.4%
Earth rare metal	8	0.5%	5,236.3	0.3%
Molybdenum, Gold, Copper	1	0.1%	5,236.0	0.3%
Gypsum	16	1.0%	5,199.1	0.3%
Lithium	1	0.1%	4,720.2	0.3%
Blue lead	9	0.5%	4,192.3	0.3%
Zinc	6	0.4%	4,057.3	0.3%
Gold, Concentrated metal	3	0.2%	3,578.5	0.2%
Polymetal	4	0.2%	3,269.2	0.2%
Copper, Zinc	1	0.1%	2,899.3	0.2%
Molybdenum, Tungsten	2	0.1%	2,862.3	0.2%
Silicium	2	0.1%	2,673.5	0.2%
Face stone	1	0.1%	2,487.2	0.2%
Wolfram, Tin	1	0.1%	2,316.2	0.1%
Gold, Silver, Concentrated metal	1	0.1%	2,007.4	0.1%
Tin	3	0.2%	1,812.1	0.1%
limestone	5	0.3%	1,792.4	0.1%
Molybdenum, Wolfram	1	0.1%	1,616.9	0.1%
Lanthanum, Cerium	1	0.1%	1,561.3	0.1%
Aluminium	3	0.2%	1,370.9	0.1%
Iron, Concentrated metal	1	0.1%	1,257.3	0.1%
Other	75	4.5%	11,607.4	0.7%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha and overlap, 2019.IX.03

	Hectare	Percent of total territory
Valid mining licensed area	1.6	1.0%
Valid exploration licensed area	6.2	4.0%
State protected area	32.7	20.9%
Special purpose area	29.9	19.1%
Strategic deposit, government reserved area	7.2	4.6%
Settled area, border and railway strip area	1.1	0.7%
Other prohibited area	49.1	31.4%

1.7. SMALL-SCALE MINING AREA, 2019.IX.03

	Count of area		Area size	
	Count	Percent	Hectare	Percent
TOTAL	270	100%	1103.2	100%
Arkhangai	1	0.4%	4.8	0.4%
Bayan-Ulgii	2	0.7%	53.7	4.9%
Bayankhongor	56	20.7%	146.7	13.3%
Bulgan	29	10.7%	126.4	11.5%
Govi-Altai	1	0.4%	5.7	0.5%
Darkhan Uul	6	2.2%	16.6	1.5%
Dornogovi	12	4.4%	59.6	5.4%
Dornod	2	0.7%	26.2	2.4%
Dundgovi	13	4.8%	104.4	9.5%
Uvurkhangai	19	7.0%	35.0	3.2%
Umnugovi	20	7.4%	86.2	7.8%
Selenge	52	19.3%	220.1	19.9%
Tuv	12	4.4%	78.3	7.1%
Ulaanbaatar	5	1.9%	19.0	1.7%
Khovd	4	1.5%	11.3	1.0%
Khentii	36	13.3%	109.4	9.9%

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, 2019.IX.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1791	2892	7,818,702.6	100%
Mongolian entities	1430	2263	5,714,414.6	73.1%
100% foreign entities	256	437	1,615,049.3	20.7%
Joint foreign entities	105	192	489,238.6	6.3%

1.9. ORIGIN OF LICENSE HOLDERS, by 100% foreign entities, 2019.IX.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	256	437	1,615,049.3	100%
China	130	170	397,602.8	24.62%
Virgin Islands	34	69	177,203.6	10.97%
Singapore	17	58	345,707.6	21.41%
Hong Kong	17	31	146,321.9	9.06%
Canada	12	28	271,100.2	16.79%
South Korea	10	15	34,093.7	2.11%
Australia	6	7	32,354.6	2.00%
Russia	4	5	6,716.0	0.42%
Holland	3	15	106,872.3	6.62%
Great Britain	3	4	6,038.7	0.37%
United States of America	2	4	3,167.8	0.20%
Bermud	2	3	7,314.3	0.45%
Luxemburg	2	6	13,528.2	0.84%
Japan	2	3	3,015.1	0.19%
Germany	2	2	603.9	0.04%
Ukraine	1	1	245.0	0.02%
Virgin Islands, Singapore	1	3	10,163.7	0.63%
Bulgaria	1	1	3,700.9	0.23%
Barbados	1	4	10,040.0	0.62%
Luxemburg, Seychelles	1	1	36,391.0	2.25%
Russia, China	1	1	47.5	0.00%
New Zealand	1	2	149.4	0.01%
Malaysia	1	2	2,416.5	0.15%
Russia, South Korea	1	1	118.2	0.01%
Kazakhstan	1	1	136.5	0.01%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF LICENSE HOLDERS, by joint foreign entities, 2019.IX.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	105	192	489,238.6	100%
Mongolia, China	51	78	119,050.4	24.3%
Mongolia, South Korea	10	17	44,048.4	9.0%
Mongolia, Russia	7	9	1,302.2	0.3%
Mongolia, Virgin Islands	6	10	35,233.8	7.2%
Mongolia, Japan	5	32	82,825.2	16.9%
Mongolia, Germany	4	5	13,260.1	2.7%
Mongolia, Singapore	4	8	30,275.1	6.2%
Mongolia, Czech Republic	4	7	52,526.3	10.7%
Mongolia, Great Britain	2	4	12,989.7	2.7%
Mongolia, Singapore, Hong Kong	1	3	43,809.3	9.0%
Mongolia, Kazakhstan	1	1	1,789.4	0.4%
Mongolia, Macao, Hong Kong	1	2	18,260.9	3.7%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	0.8%
Mongolia, Bulgaria	1	3	1,083.7	0.2%
Mongolia, Canada	1	1	3,957.7	0.8%
Mongolia, Canada, China	1	1	6,352.8	1.3%
Mongolia, Luxemburg	1	1	3,273.9	0.7%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Poland	1	1	1,561.3	0.3%
Mongolia, Hong Kong	1	6	13,737.6	2.8%
Mongolia, Hungary	1	1	87.4	0.0%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES BY BANK AND NON-BANK FINANCIAL INSTITUTE, 2019.IX.03

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	236	100%	270,600.5	100%
Golomt Bank	30	12.7%	26,848.4	9.9%
Trade and Development Bank	29	12.3%	13,645.7	5.0%
Development Bank of Mongolia	24	10.2%	16,714.7	6.2%
Ulaanbaatar City Bank	18	7.6%	13,365.5	4.9%
HAAN Bank	13	5.5%	2,647.4	1.0%
Capital Bank	12	5.1%	1,542.2	0.6%
Golomt, Saving, Zoos, Anod Banks	11	4.7%	80,891.6	29.9%
XAC Bank	11	4.7%	2,616.7	1.0%
Anod Bank	9	3.8%	7,355.5	2.7%
Chinggis Khan Bank	8	3.4%	3,247.7	1.2%
European Bank for Reconstruction and Development	7	3.0%	2,658.5	1.0%
Capitronbank	5	2.1%	1,431.0	0.5%
State Bank	4	1.7%	570.6	0.2%
National Investment Bank	4	1.7%	1,247.2	0.5%
Bank of China	4	1.7%	978.2	0.4%
Transport Development bank	3	1.3%	1,670.1	0.6%
Bogd bank	3	1.3%	154.0	0.1%
Saving bank	3	1.3%	10,911.8	4.0%
Khutult nomgon	3	1.3%	294.2	0.1%
Export-Import Bank of China	3	1.3%	1,092.0	0.4%
Triple flag mining finance Bermuda Ltd	3	1.3%	13,017.0	4.8%
GSB capital NBFi	2	0.8%	9,271.1	3.4%
World Gold	2	0.8%	2,194.9	0.8%
Erel bank	2	0.8%	150.3	0.1%
First lithium Corporation	2	0.8%	17,131.1	6.3%
Zoos Bank	2	0.8%	19,298.9	7.1%
Other	19	8.1%	19,654.4	7.3%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, 2019.IX.03

No	Name of entity	Count of license	Area size /hectare/	Company type	Nationality
1	Mongolroscvetmet	26	15,086.0	mongolian legal entity	Mongolia
2	Chinggis world mining	25	72,617.6	joint venture with foreign investment	Mongolia, Japan
3	Mongolyn alt Mak	23	60,249.8	mongolian legal entity	Mongolia
4	Gacuurt	17	9,557.3	mongolian legal entity	Mongolia
5	Caina investment mongolia	15	207,645.0	Entity with 100% foreign investment	Singapore
6	Golden east mongolia	14	48,659.6	Entity with 100% foreign investment	Virgin Islands
7	Olon-Ovoot gold	14	90,111.6	mongolian legal entity	Mongolia
8	Khunnu govi altai	12	2,206.7	mongolian legal entity	Mongolia
9	Gobi Coal and Energy	12	7,139.8	mongolian legal entity	Mongolia
10	Platinum land	11	3,621.3	mongolian legal entity	Mongolia
11	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore
12	Erel	10	10,960.9	mongolian legal entity	Mongolia
13	MAK cement	10	3,745.9	mongolian legal entity	Mongolia

1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, 2019.IX.03

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Caina investment mongolia	15	207,645.0	100% foreign invested entity	Singapore
2	Mongol uranium resource	2	191,728.6	mongolian legal entity	Mongolia
3	Monlaa	4	108,679.0	mongolian legal entity	Mongolia

Source: Cadastre Division, MRPAM

1.14. RECEIVED APPLICATION, by application type, 2016-2019

	2016	2017	2018	2019.I-VII	2019.I-VIII
TOTAL	613	813	1187	524	574
New license	131	288	226	157	192
Mining	103	65	78	42	47
Exploration	0	0	0	0	0
Tender	28	223	148	115	145
Extension of exploration license	173	231	657	261	262
Transfer	139	153	157	34	46
Mining	49	78	25	14	19
Exploration	90	75	132	20	27
Pledge	33	37	61	14	14
Mining	30	32	58	14	14
Exploration	3	5	3	0	0
Surrender	137	104	86	58	60
Mining	26	14	12	5	6
Exploration	111	90	74	53	54

1.15. CHANGES IN LICENSE REGISTRATION, by license type, 2016-2019

	2016	2017	2018	2019.I-VII	2019.I-VIII
New license	750	151	85	87	102
Mining	93	77	61	35	42
Exploration	629	41	5	0	0
Tender	28	33	19	52	60
Surrendered	166	97	91	55	57
Mining	25	13	11	5	6
Exploration	141	84	80	50	51
Canceled	241	237	181	101	140
Mining	37	35	33	27	56
Exploration	204	202	148	74	84
Expired	124	176	209	137	155
Transferred	146	136	172	41	44
Mining	50	62	38	14	16
Exploration	96	74	134	27	28
Extended	167	162	566	279	290
Pledged	29	39	56	13	13
Mining	27	34	53	13	13
Exploration	2	5	3	0	0
Terminated pledges	16	39	27	12	14
Mining	12	38	26	12	14
Exploration	4	1	1	0	0
Re-issue of license documents	35	26	40	6	10
Mining	15	19	13	3	6
Exploration	20	7	27	3	4

Source: Cadastre Division, MRPAM

2 | GEOLOGY

2.1. GEOLOGICAL SURVEY CONDUCTED AT EXPENSE OF THE STATE BUDGET, by mln MNT and type of work, 2016-2019

	2016		2017		2018		2019.I-VIII	
	mln.tug	performance	mln.tug	performance	mln.tug	performance	mln.tug	performance
TOTAL	9,341.1	100%	12,255.1	91.8%	13,335.0	100%	13,573.0	55.1%
1:200000 scale geological map	642.7	100%	482.3	100%	408.5	100%	397.5	1.6%
1:50000 scale geological map, general survey	4,975.8	100%	5,355.9	100%	4,692.7	100%	5,781.0	23.5%
Thematic work	3,476.1	100%	6,274.6	80.8%	8,144.1	100%	7,216.3	29.3%
Collaborative projects	246.6	100%	142.4	100%	90.0	100%	178.2	0.7%

2.2. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, by mln.MNT and type work, 2013-2017

	2013	2014	2015	2016	2017	2017 оны дүнд эзлэх хувь
TOTAL	150,095.8	160,421.9	107,238.5	190,260	130,586.6	100%
Preparation	3,842.3	3,146.2	2,998.7	8,924.2	3,615.2	2.8%
Mapping	2,328.8	3,006.8	2,314.2	5,815.3	1,886.1	1.4%
Geological survey	2,530.5	2,535.4	2,789.2	6,383.5	2,334.6	1.8%
Sampling	2,659.3	2,259.7	2,047.1	32,645.9	80,896.6	61.9%
Geophysical work	13,427.2	12,413.9	10,716.5	9,826.5	15,008.9	11.5%
Mining	2,530.8	4,887.8	2,784.2	1,697.1	-	-
Drilling	82,575.7	86,233.0	49,794.5	68,917.0	5,825.9	4.5%
Geochemical work	2,133.4	746.0	779.1	-	-	-
Laboratory	10,889.8	10,490.8	6,710.6	8,833.1	11,413.4	8.7%
Topogeodetic work	1,880.4	1,357.9	1,638.3	2,248.6	5,518.1	4.2%
Hydrogeological work	751.6	2,781.3	2,549.9	1,174.1	943.7	0.7%
Transport	5,182.5	3,780.9	3,112.8	17,331.0	341.4	0.3%
Indoor, laboratory investigation	11,233.7	21,563.1	11,055.0	11,685.7	1,120.4	0.9%
Environment reclamation	1,382.0	2,015.8	1,749.6	1,346.9	348.3	0.3%
Field sampling	416.6	1,484.7	1,246.9	2,101.3	929.4	0.7%
Geomorphology	25.3	-	20.6	-	-	-
Archeology	528.3	123.0	96.8	231.2	162.2	0.1%
Paleontology	448.9	88.3	43.3	-	-	-
Other	5,328.7	1,506.9	4,791.0	11,098.5	242.4	0.2%

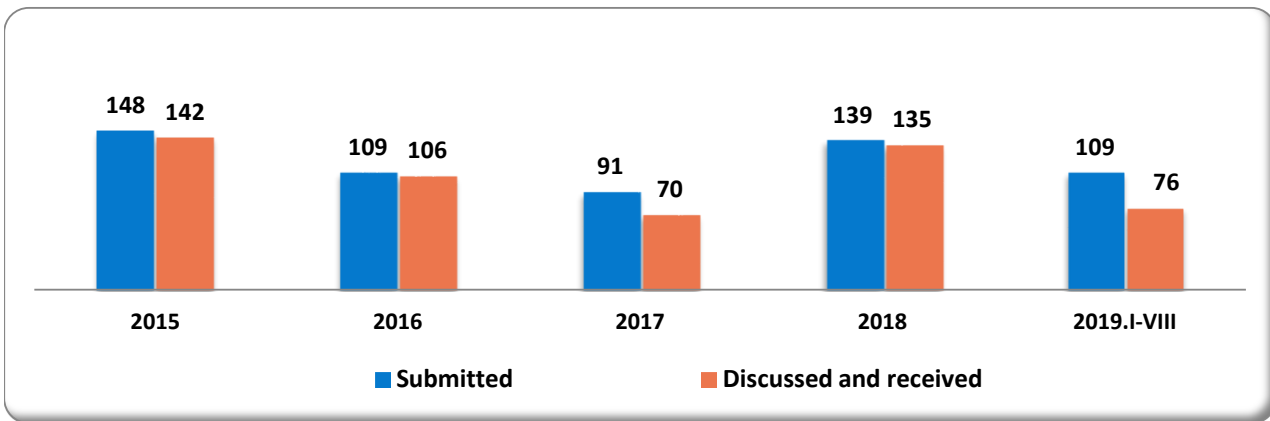
Source: Geology and Exploration Division, MRPAM

2.3. ANNUAL EXPLORATION PLAN, REPORT SUBMITTED AND NUMBER OF OF LICENSES CERTIFIED FOR EXPLORATION EXPENDITURE, 2015-2019

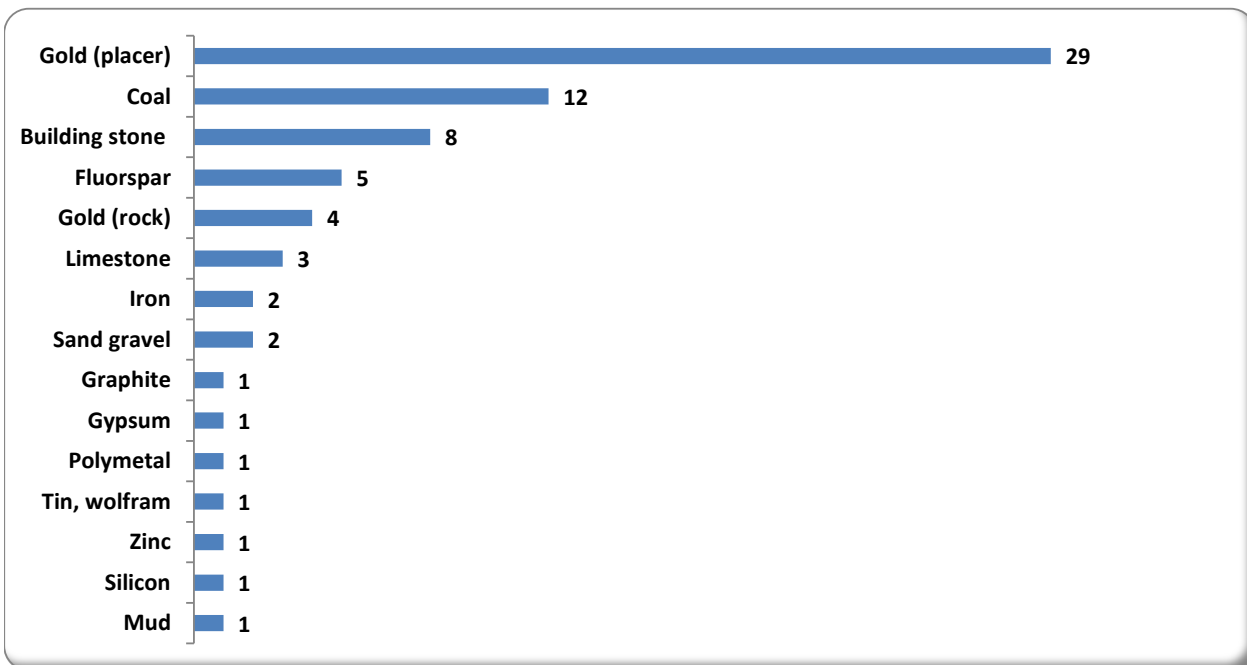
	2015	2016	2017	2018*	2019*
Plan attendance	97.2%	85.3%	98.6%	98.8%	95.0%
Report attendance	69.9%	83.0%	88.5%	84.6%	-
Minimum review of exploration expenditure report	97.0%	99.7%	98.0%	87.0%	-
Cost review of financial statements	91.7%	94.9%	90.8%	81.0%	-

*- by 2019.VIII.31

2.4. RECEIVED EXPLORATION REPORT, 2015-2019



2.5. DEPOSIT DELIVERED TO THE STATE REGISTRATION OF MINERAL RESERVES, 2019.I-VIII



Source: Geology and Exploration Division, MRPAM

2.6. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, 2018-2019

	Unit	2018		2019.I-VIII	
		ore	metal	ore	metal
Gold (rock)	ths.t/kg	6,537.9	18,697.9	46,603.9	52,949.8
Silver	t	-	-	-	173.91
Blue lead	ths.t	-	-	-	90.24
Zinc	ths.t	-	-	-	164.1
Gold (placer)	kg	5,140.2	4,600.6	3,290.5	2,934.5
Iron	ths.t	44,969.8	18,287.9	15,545.9	-
Iron	ths.t	-	-	-	4992.3
Zinc	ths.t	-	-	-	70.31
Polymetal	ths.t	167,692.3	-	11,907.1	-
Copper	t	-	51,909.0	-	1,284.8
Zinc	t	-	1,174,190.0	-	94,319.7
Blue lead	t	-	606,274.0	-	23,127.1
Gold	kg	-	512,904.0	-	871.1
Silver	t	-	132,224.9	-	91.3
Tin (placer)	t	-	-	-	547.7
Tungsten (placer)	t	-	-	-	75.4
Tungsten	ths.t	36.6	1.4	-	-
Rare earth elements	ths.t	356.80	125.16	-	-
Copper Molybdenum	ths.t	55,871.20	-	-	-
Copper	t	-	149.1	-	-
Molybdenum	t	-	2.2	-	-
Fluorspar	ths.t	6,932.0	1,239.1	1,553.8	681.0
Uranium	ths.t	51,583.2	15.5	-	-
Zinc	ths.t	-	-	3,273.9	-
Zinc	ths.t	-	-	-	308.6
Blue lead	ths.t	-	-	-	16.28
Silver	kg	-	-	-	87.83
Iron	ths.t	-	-	-	636.7
Coal	mIn.t	9,662.7		4,944.2	
Silicon	ths.t	-		182.1	
Limestone	mIn.t	52.7		2.3	
Building stone	ths.t	-		290,564.9	
Graphite	ths.t	-		347.4	
Gypsum	ths.t	-		683.3	
Mud	ths.m3	-		628.2	
Sand gravel	ths.m3	-		5,468.4	
Sand	ths.m3	-		543.2	
Marble	ths.m3	-		63,987.8	

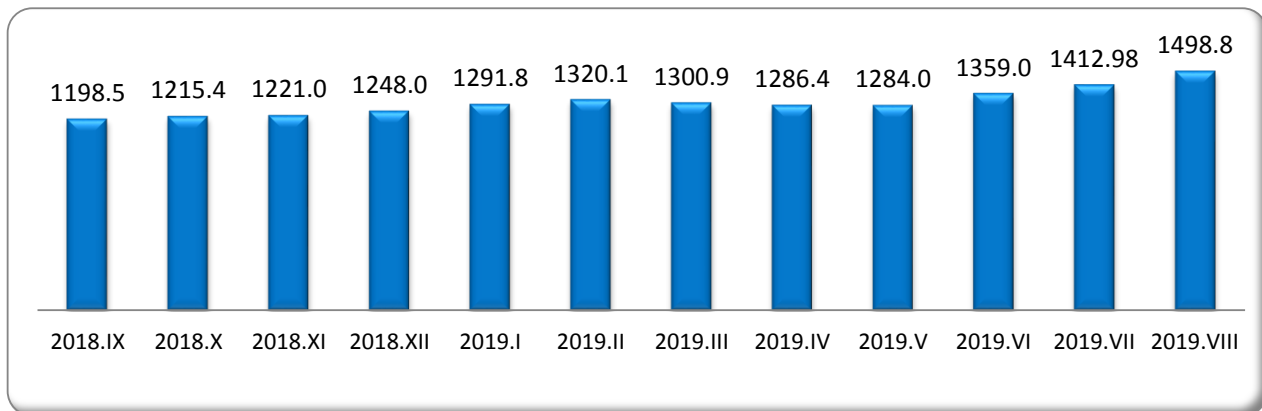
Source: Geology and Exploration Division, MRPAM

3 | MINING

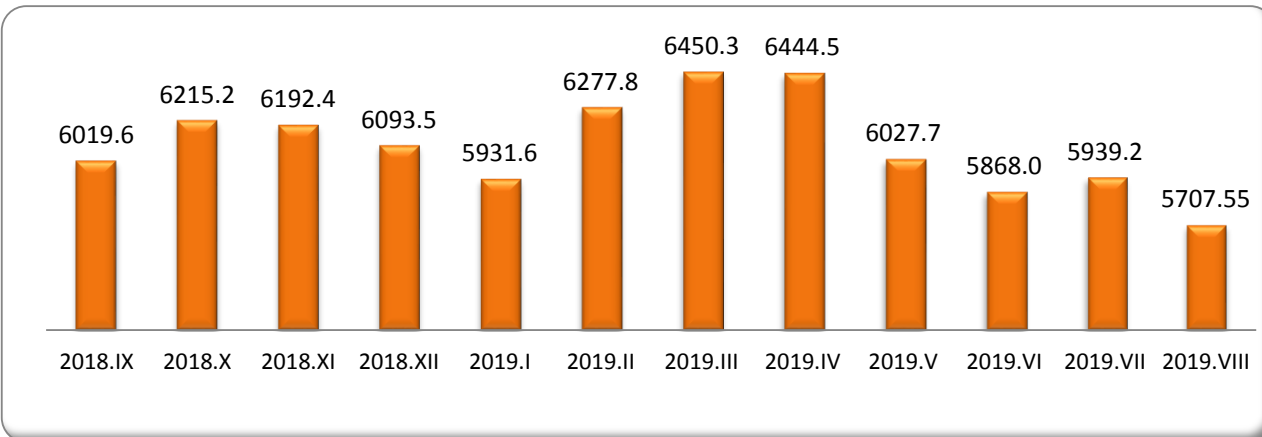
3.1. AVERAGE OF COMMODITY PRICES ON THE WORLD MARKET, 2018-2019

	Unit	2018.VIII	2018	2019.VII	2019.VIII	<u>2019.VIII</u> 2018.VIII	<u>2019.VIII</u> 2019.VII
Gold	\$/ounce	1,201.3	1,269.4	1,413.0	1,498.8	124.8%	106.1%
Silver	\$/ounce	15.0	15.8	15.7	17.1	114.2%	108.8%
Copper	\$/tons	6,039.3	6,508.1	5,939.2	5,707.6	94.5%	96.1%
Zinc	\$/tons	2,510.1	2,895.6	2,441.0	2,274.6	90.6%	93.2%
Blue lead	\$/tons	2,064.3	2,237.3	1,973.5	2,042.7	99.0%	103.5%
Tin	\$/tons	19,267.5	19,954.6	17,981.2	16,567.3	86.0%	92.1%
Molybdenum	\$/tons	25,000.0	23,075.4	23,553.9	23,800.0	95.2%	101.0%
Tungsten	\$/tons	42,140.0	41,640.0	30,160.0	28,210.0	66.9%	93.5%
Iron ore	\$/tons	35.2	39.6	93.0	64.6	183.5%	69.4%
Fluorite concentrate AG-97	\$/tons	469.0	486.0	425.0	425.0	90.6%	100.0%
Fluorite ore MG-85	\$/tons	360.0	365.0	300.0	300.0	83.3%	100.0%

3.2. AVERAGE PRICE OF GOLD ON THE WORLD MARKET, by US\$/ounce and last 12 months

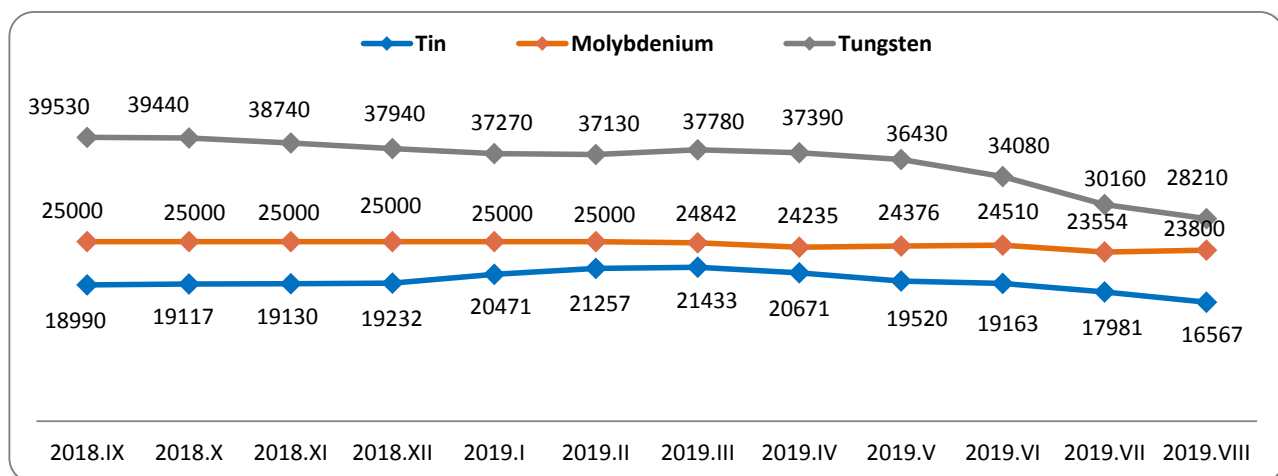


3.3. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

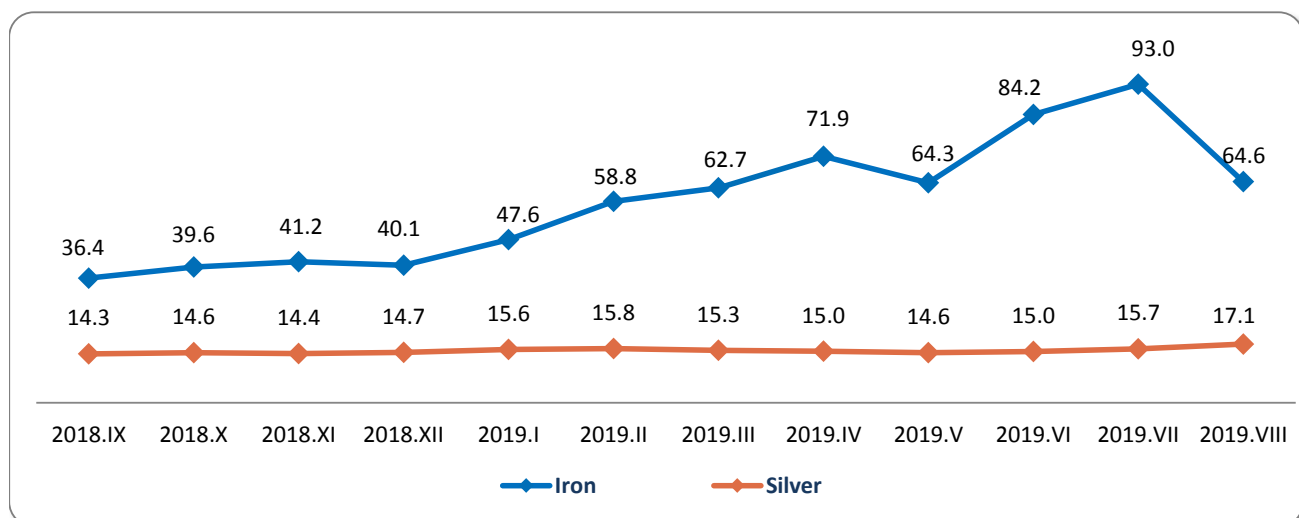


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

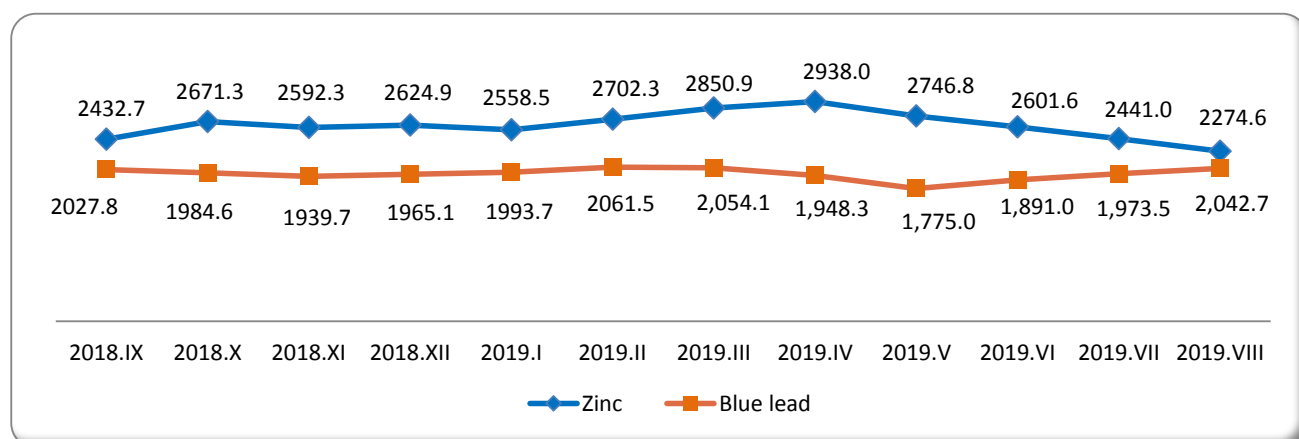
3.4. AVERAGE PRICE OF TIN, MOLYBDENIUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons and last 12 months



3.5. AVERAGE PRICE OF IRON AND SILVER ON THE WORLD MARKET, by US\$/tons, US\$/ounce and last 12 months



3.6. AVERAGE PRICE OF ZINC AND BLUE LEAD ON THE WORLD MARKET, by US\$/tons and last 12 months



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

3.7. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2018-2019

	Stock exchange	Symbol	Currency	Price						Market value /2019 IX.06/
				2018.VIII	2018	2019.VII	2019.VIII	$\frac{2019.VIII}{2018.VIII}$	$\frac{2019.VIII}{2019.VII}$	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	2.446	2.591	0.849	0.48	19.6%	56.5%	918.83M
Peabody Energy Corporation	NYQ	BTU	USD	42.327	39.303	22.934	18.375	43.4%	80.1%	1.75B
Rio Tinto plc	LSE	RIO.L	GBp	3792	3,895.5	4,798.1	4,102.6	108.2%	85.5%	66.72B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.132	0.155	0.129	0.117	88.6%	90.7%	185.73M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.148	0.171	0.102	0.758	512.2%	743.1%	96.74M
South Gobi Resources Ltd.	HKG	1878.HK	HKD	0.9	1.017	1.019	0.995	110.6%	-	169.28M
Centerra Gold Inc.	TOR	CG.TO	CAD	5.715	6.276	10.196	11.802	206.5%	115.8%	3.46B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.376	0.367	0.205	0.235	62.5%	114.6%	42.31M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.51	0.536	0.37	0.32	62.7%	86.5%	54.21M
Prophecy Development Corp.	TOR	PCY.TO	CAD	0.596	2.015	0.179	0.233	39.1%	130.2%	25.45M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.248	1.145	0.85	0.95	76.1%	111.8%	37.82M
Kincora Copper Limited	VAN	KCC.V	CAD	0.176	0.159	0.128	0.121	68.8%	94.5%	18.75M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.02	0.017	-	-	-	-	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.141	0.177	0.051	0.058	41.1%	113.7%	37.18M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.023	0.018	0.016	0.015	65.2%	93.8%	53.23M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	0.003	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	-	0.082	-	-	-	-	34.79M
Banpu Public Company Limited	SET	BANPU.BK	THB	20.373	19.856	14.605	12.362	60.7%	84.6%	57.81B
Petro Matad Limited	LSE	MATD.L	GBp	8.517	8.608	7.861	7.018	82.4%	89.3%	67.17M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	0.011	0.012	-	-	-	-	-

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

3.8. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2018-2019

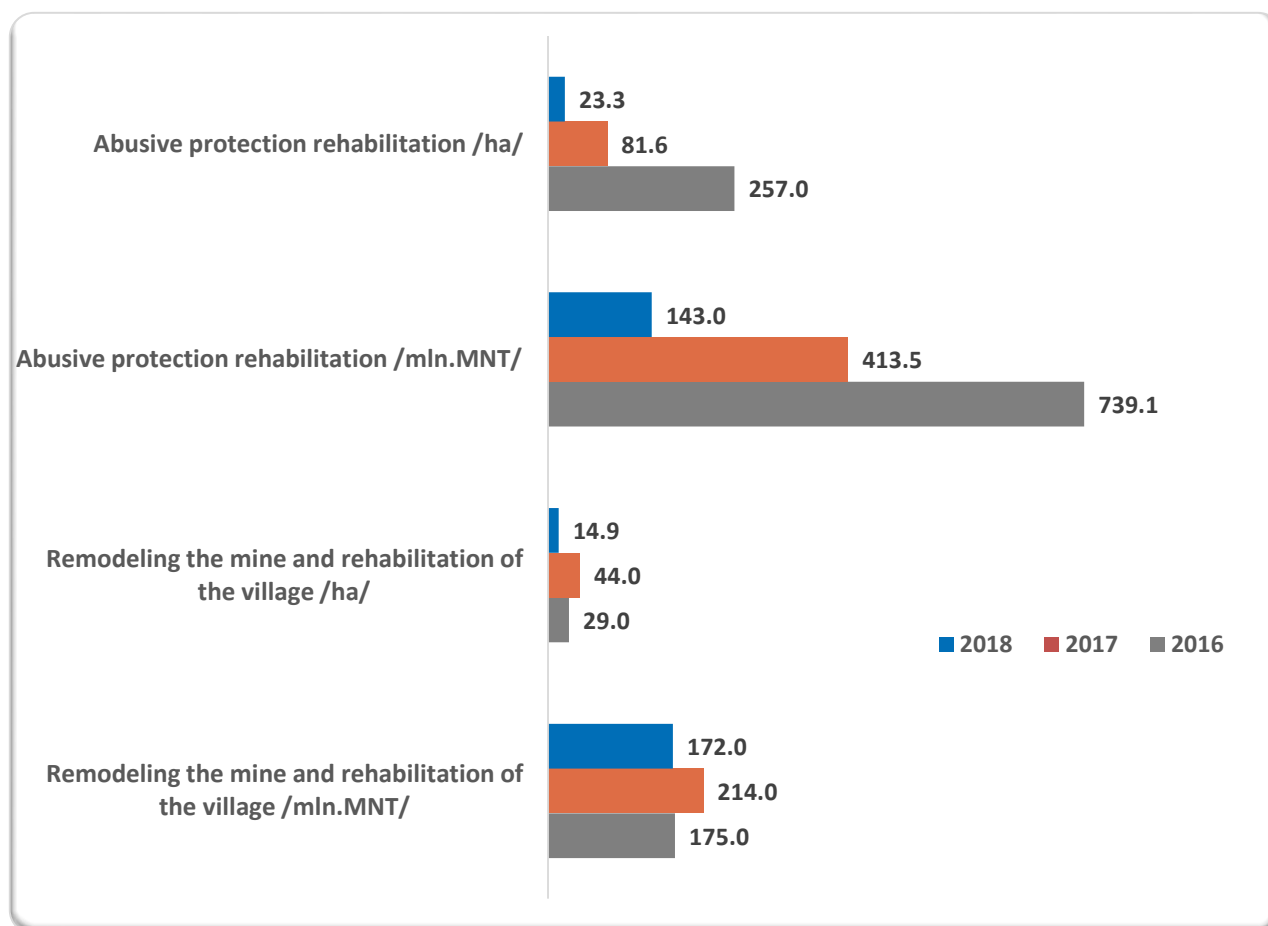
	Symbol	Price					
		2018.VIII	2018	2019.VII	2019.VIII	<u>2019.VIII</u> 2018.VIII	<u>2019.VIII</u> 2019.VII
Tavantolgoi	TTL	8089	9059	7210	6675	82.5%	92.6%
Baganuur	BAN	1834	1867	1000	1144	62.4%	114.4%
Shivee-Ovoo	SHV	2033	2,087	2,255	2303	113.3%	102.1%
Aduunchuluun	ADL	2126	2534	1596	1600	75.3%	100.3%
Shariin Gol	SHG	2100	2261	1584	1465	69.8%	92.5%
Erdene Resource Development Corporation	ERDN	604	605	481	519	-	107.9%
Mogoin gol	BDL	7400	7666	7795	7407	100.1%	95.0%
Bayanteeg	BTG	-	13919	20640	-	-	-
Berkh-Uul	BEU	-	802	500	-	-	-
Khar Tarvagatai	TVT	8925	10545	-	7300	-	-
Taliin Gal	TAL	-	15	-	-	-	-
Mongol Basalt	MBW	355	345	327	351	98.9%	107.3%
Mongol Ceramic	KEK	-	21000	-	-	-	-
Silikat	SIL	140	152	-	-	-	-
Songolon barmat	SSG	-	891	-	-	-	-
Remicon	RMC	38	37	29	27	71.1%	93.1%
Arig Tal	EER	3475	3631	3300	3301	95.0%	100.0%
Niislel-Urguu	NUR	-	9600	4000	-	-	-
Erchim Bayan-Ulgii	BOE	-	-	-	-	-	-
Khukh Gan	HGN	90	90	82	72	80.0%	87.8%
Nako Tulsh	NKT	173	135	65	-	-	-

Source: www.mse.mn

3.9. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2014-2018

	Unit	2014	2015	2016	2017	2018*
Area covered by mining	ha	1560.7	871.0	703.5	1002.3	584.0
Rehabilitated area	ha	959.6	750.0	876.4	677.2	608.0
Expenses for rehabilitation	mln.MNT	9211.6	4019.0	2167.2	2966.4	2772.5
Area covered by technical rehabilitation	ha	523.1	589.0	954.0	698.5	560.0
Area covered by biological rehabilitation	ha	322.0	320.0	718.0	595.8	570.0
Environmental expenses	mln.MNT	11683.1	3771.0	5180.0	5155.0	2005.0

3.10. ABUSIVE PROTECTION REHABILITATION AND REMODELING THE MINE AND REHABILITATION OF THE VILLAGE, 2016-2018



*- by 2019.V.31

Source: Mining Industry and Technology Division, MRPAM

4 | COAL

4.1. STRIPING, COAL PRODUCTION, SALE AND EXPORT, 2014-2019

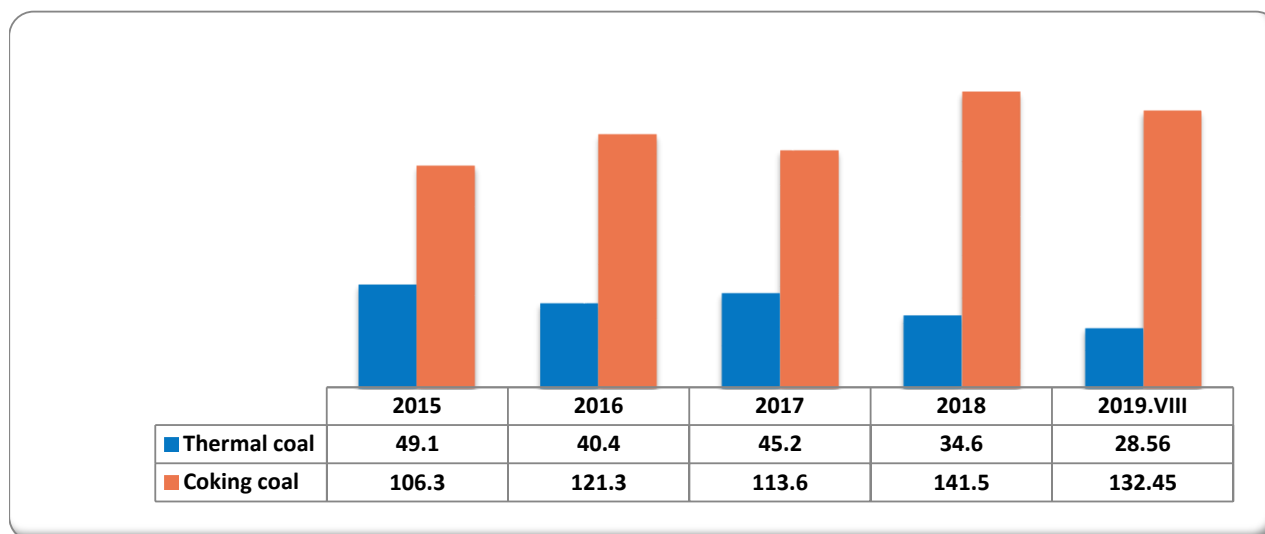
	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2014	95,600.0	24,449.0	27,305.0	19,513.0
2015	92,975.0	23,979.0	22,125.0	14,468.0
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019.I-VIII	172,569.5	38,356.1	31,130.8	25,025.4

4.2. COAL SALE, by ths.tons and type, 2019.I-VIII

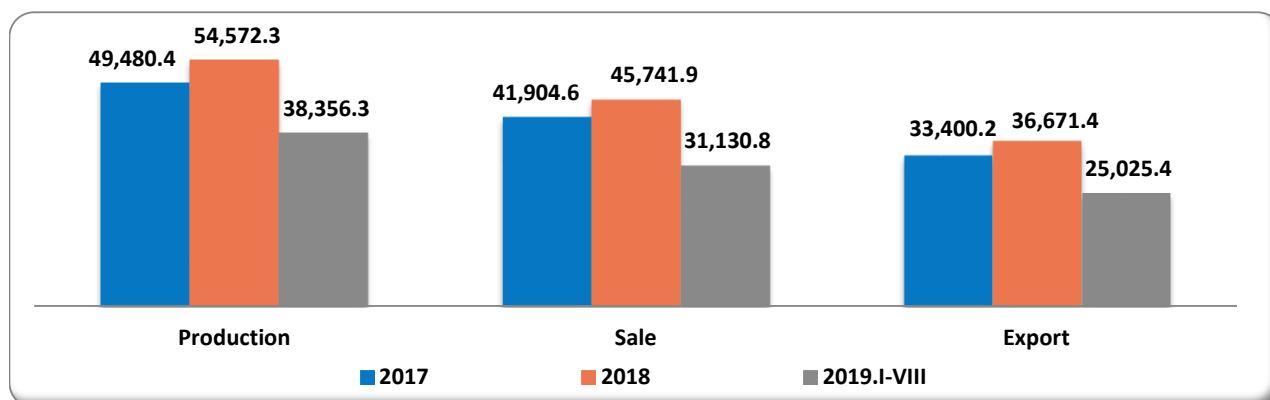
	TOTAL	Export	Local
БҮГД	31,130.8	25,025.4	6,105.4
Washed coking coal	4,498.5	4,498.5	-
Raw coking coal	11,881.7	11,881.7	-
Weak coking coal	5,621.3	5,621.3	-
Thermal coal	3,023.9	3,023.9	-
Brown coal	6,105.4	-	6,105.4

Source: Coal Research Division, MRPAM

4.3. AVERAGE PRICE OF COAL ON THE WORLD MARKET, by US\$/tons, 2015-2019



Source: www.infomine.com, www.sxcoal.com

4.4. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons*, 2017- 20194.5. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons and month*, 2018-2019

	Олборлолт	Борлуулалт	Экспорт
2018	54,572.3	45,741.9	36,671.4
2018.I	3,840.5	4,313.8	3,207.2
2018.II	2,772.1	2,258.6	1,272.9
2018.III	4,215.0	4,194.0	3,444.3
2018.IV	5,056.0	4,208.0	3,546.0
2018.V	5,219.5	4,297.5	3,814.8
2018.VI	4,837.1	4,148.1	3,756.9
2018.VII	3,649.8	2,535.9	2,104.5
2018.VIII	2,891.9	2,647.0	2,114.1
2018.IX	4,285.6	4,785.8	4,038.9
2018.X	6,730.2	4,966.3	3,978.8
2018.XI	5,144.5	2,967.0	2,071.0
2018.XII	5,930.1	4,419.9	3,322.0
2019.I-VIII	38,356.3	31,130.8	25,025.4
2019.I	4,408.8	4,337.0	3,245.5
2019.II	4,155.0	2,990.3	1,929.5
2019.III	4,644.1	4,345.4	3,526.4
2019.IV	4,870.2	4,128.7	3,527.0
2019.V	5,244.6	3,891.7	3,378.2
2019.VI	4,435.5	3,695.8	3,066.5
2019.VII	5,196.0	3,602.8	2,936.5
2019.VIII	5,402.1	4,139.1	3,415.8
<u>2019.VIII</u> 2018.VIII	186.8%	156.4%	161.6%
<u>2019.I-VIII</u> 2018.I-VIII	118.1%	108.8%	107.6%

Source: Coal Research Division, MRPAM

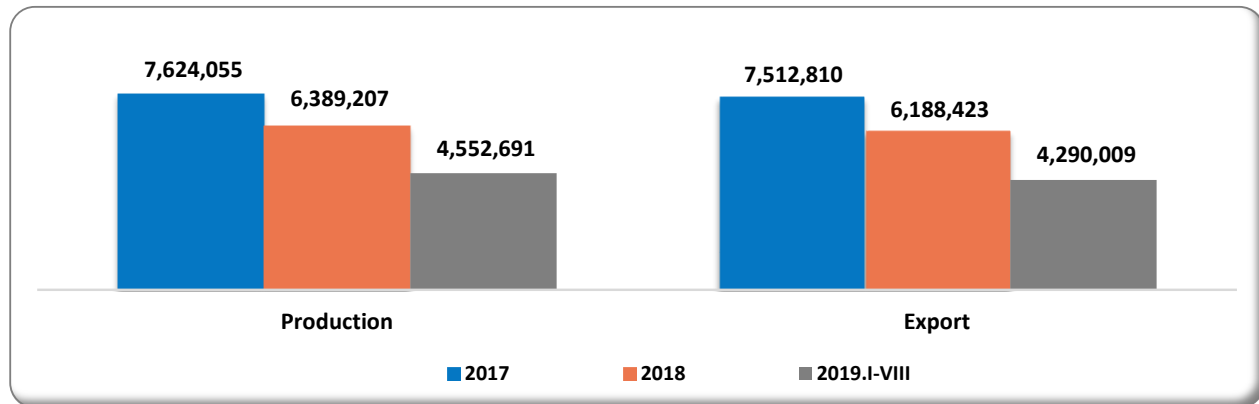
4.6. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, 2019.VIII

Type of coal	Name	Classification	Border name	Deposit name	TM	Adb	Vdaf	St,db	Qnet,ar	FSI	GI	
					Weight, %				Kcal/kg	Index		
Raw coal	Antracite	Antracite	Khang	Alag-Uundur	2.6	7.2	8.6	0.32	7552	0.0	0.0	
	Coal	Coking	Gashuun Sukhait	Baruun, zuun tsankhi	2.1	11.3	28.3	0.51	7276	7.0	83.8	
				Tavan tolgoi 4th orifice	2.0	14.4	28.2	0.76	6944	5.5	62.8	
		Weak coking	Gashuun Sukhait	Tavan tolgoi 8th orifice	1.9	23.9	33.0	0.85	6019	5.0	58.6	
				Shivee Khuren	Khuren shand	3.5	5.4	35.2	0.28	7194	4.5	62.5
					Baruun noyon	6.5	11.1	30.0	0.44	6811	6.0	64.8
					Chinkhua Mak	4.1	4.9	33.1	0.59	7374	3.5	52.7
				SGS	4.1	11.4	36.7	0.95	6680	6.0	75.4	
				Zamiin - Uud	Mogion gol	4.4	13.9	33.0	1.10	6826	6.5	89.5
		Other	Zamiin - Uud	Dalan chkha	8.2	11.7	48.1	1.30	5556	0.0	0.0	
				Dalan shtain	7.2	14.9	23.4	0.85	6454	0.0	0.0	

Source: Central Laboratory of Mining and Petroleum, MRPAM

5 | PETROLEUM

5.1. PETROLEUM PRODUCTION AND EXPORT, by barrel, 2017-2019



5.2. PETROLEUM PRODUCTION AND EXPORT, by barrel and month, 2018-2019

	Production		Export	
	Barrel	Percent	Barrel	Percent
2018	6,389,207	100%	6,188,423	100%
2018.I	620,842	9.7%	558,232	9.0%
2018.II	556,544	8.7%	451,701	7.3%
2018.III	568,740	8.9%	621,219	10.0%
2018.IV	535,029	8.4%	579,017	9.4%
2018.V	556,865	8.7%	555,443	9.0%
2018.VI	539,680	8.4%	541,818	8.8%
2018.VII	563,763	8.8%	543,629	8.8%
2018.VIII	553,224	8.7%	537,238	8.7%
2018.IX	515,475	8.1%	423,496	6.8%
2018.X	198,319	3.1%	156,157	2.5%
2018.XI	569,745	8.9%	698,891	11.3%
2018.XII	610,983	9.6%	521,584	8.4%
2019.I-VIII	4,552,691	100%	4,290,009	100%
2019.I	586,196	12.9%	533,836	12.4%
2019.II	515,318	11.3%	477,824	11.1%
2019.III	569,607	12.5%	609,105	14.2%
2019.IV	549,433	12.1%	484,692	11.3%
2019.V	565,179	12.4%	521,782	12.2%
2019.VI	575,582	12.6%	549,608	12.8%
2019.VII	601,678	13.2%	548,597	12.8%
2019.VIII	589,698	13.0%	564,565	13.2%
2019.VIII 2018.VIII	106.6%	-	105.1%	-
2019.I-VIII 2018.I-VIII	101.3%	-	97.8%	-

Source: Petroleum Exploitation Division, MRPAM

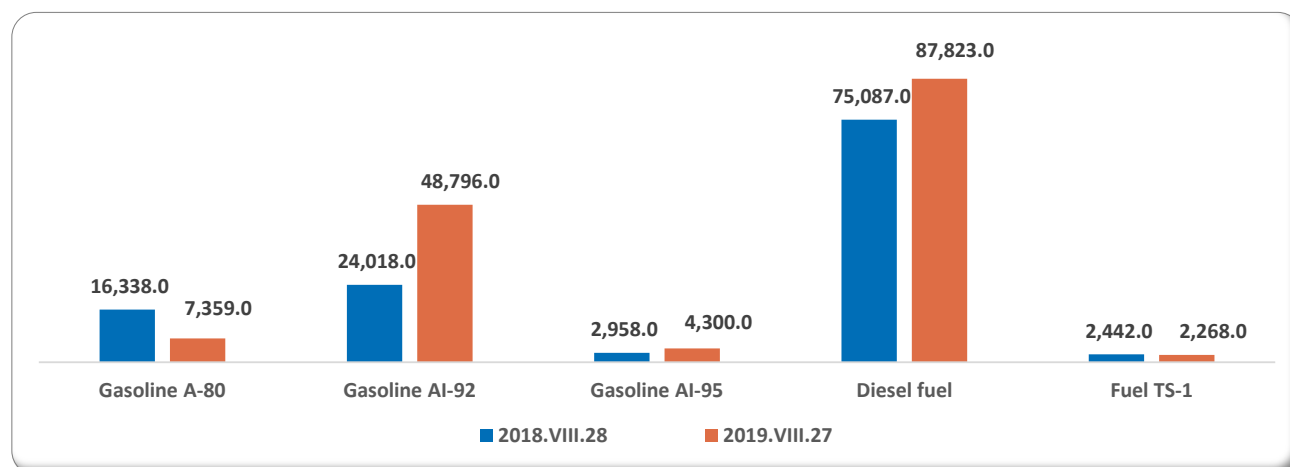
5.3. PETROLEUM PRODUCTS IMPORTING, by tons, type and months, 2018-2019

	TOTAL	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique- fied gas	Other
2018	1,870,930	71,599	400,751	20,822	1,541	953,905	65,865	39,503	316,945
2019.I-VIII	1,404,148	46,609	347,263	17,397	849	798,294	38,725	30,835	124,177
2019.I	191,530	7,230	53,693	2,480	179	109,068	5,572	3,236	10,072
2019.II	140,654	4,229	37,999	2,098	64	80,592	4,798	2,247	8,627
2019.III	156,866	5,913	42,352	1,452	-	88,872	3,555	4,008	10,713
2019.IV	147,457	8,390	40,199	1,712	243	78,169	7,120	7,522	4,102
2019.V	140,470	4,163	33,267	1,759	60	80,658	1,012	2,760	16,791
2019.VI	167,007	4,881	30,361	1,238	120	105,218	4,282	3,229	17,679
2019.VII	247,843	6,405	59,705	2,182	4	144,596	4,740	4,858	25,353
2019.VIII	212,320	5,397	49,687	4,476	179	111,121	7,646	2,974	30,839
2019.VIII 2018.VIII	119.2%	43.6%	105.3%	194.1%	67.5%	146.7%	79.4%	114.4%	110.2%
2019.I-VIII 2018.I-VIII	113.0%	98.0%	134.1%	145.8%	89.0%	128.6%	87.6%	125.0%	53.2%

5.4. PETROLEUM PRODUCTS IMPORTING, by tons, type and countries, 2019.VIII

	БҮГД	Russia	China	Republic of Korea	Other countries
TOTAL	212,320	206,938	1,587	2,686	1,109
Gasoline A-80	5,397	5,397	-	-	-
Gasoline AI-92	49,687	48,746	941	-	-
Gasoline AI-95	4,476	4,476	-	-	-
Gasoline AI-98	179	179	-	-	-
Diesel fuel	111,121	110,656	465	-	-
Fuel TS-1	7,646	7,646	-	-	-
Lique- fied gas	2,974	2,787	-	187	-
Other	30,839	27,050	181	2,499	1,109

5.5. RESIDUE OF PETROLEUM PRODUCTS, by tons, type, 2018.VIII.28, 2019.VIII.27



Source: Petroleum Products Division, MRPAM

5.6. THE WORLD AVERAGE PRICE OF PETROLEUM PRODUCTS ARE SELLING RETAIL SALE, by US\$/tons, 2019

	New York / WTI	London / BRENT	Russia / URAL S32'	China / DAQNG 33'
2019.I.04	374.23	436.28	386.96	335.80
2019.I.11	402.56	459.53	433.51	389.45
2019.I.18	421.67	475.33	437.60	386.69
2019.I.28	406.77	455.20	430.22	384.80
2019.II.04	430.57	477.08	436.65	394.83
2019.II.11	407.63	469.78	437.97	399.20
2019.II.19	437.75	501.85	460.92	436.20
2019.II.25	430.88	491.97	468.74	434.38
2019.III.05	440.01	496.99	463.55	424.50
2019.III.12	444.77	506.94	468.59	427.80
2019.III.19	462.72	513.40	474.29	434.46
2019.III.26	457.18	504.58	473.12	436.35
2019.IV.02	481.76	525.40	486.71	446.16
2019.IV.09	503.37	540.37	462.30	459.90
2019.IV.16	493.54	538.70	503.89	463.32
2019.IV.23	515.39	566.05	522.16	478.22
2019.IV.30	496.66	416.75	511.63	465.28
2019.V.07	487.38	541.81	503.89	452.56
2019.V.14	477.15	534.90	509.29	460.77
2019.V.20	497.44	556.10	514.56	469.28
2019.V.28	461.24	521.60	483.35	442.16
2019.VI.04	412.78	462.72	446.88	394.76
2019.VI.11	418.24	475.56	414.00	406.76
2019.VI.18	404.74	462.72	425.03	392.87
2019.VI.25	450.94	487.41	443.96	417.73
2019.VII.02	458.74	492.65	458.94	432.35
2019.VII.09	448.36	485.28	444.69	416.13
2019.VII.16	464.04	504.66	464.06	429.15
2019.VII.23	438.61	481.03	439.58	411.12
2019.VII.30	446.41	485.59	455.65	405.01
2019.VIII.06	422.84	451.32	459.67	392.07
2019.VIII.13	427.60	444.18	407.06	365.17
2019.VIII.20	438.53	454.74	409.61	373.75
2019.VIII.27	420.74	444.10	412.17	376.30
<u>2019.VIII.27</u> <u>2019.VII.30</u>	94.2%	91.5%	90.5%	92.9%
<u>2019.VIII.27</u> <u>2018.VIII.31</u>	77.2%	75.3%	74.9%	76.0%

Source: www.wtrg.com, www.bloomberg.com, www.ineng.org, www.reuters.com, www.oil.in-en.com, www.topoilnews.com, www.nymex.com, www.finmarket.ru, www.quandl.com, www.topoilnews.com

5.7.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre and provinces, 2019.VII.30, 2019.VIII.27

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2019.VII.30	2019.VIII.27	2019.VIII.27 2019.VII.30	2019.VII.30	2019.VIII.27	2019.VIII.27 2019.VII.30	2019.VII.30	2019.VIII.27	2019.VIII.27 2019.VII.30	2019.VII.30	2019.VIII.27	2019.VIII.27 2019.VII.30
NATIONAL AVERAGE PRICE	1845	1844	99.9%	1921	1920	99.9%	2262	2260	99.9%	2433	2432	99.9%
Western region	1906	1906	100.0%	1986	1986	100.0%	-	-	-	2424	2424	100.0%
Bayan-Ulgii	1800	1800	100.0%	1880	1880	100.0%	-	-	-	2190	2190	100.0%
Govi-Altai	1820	1820	100.0%	1910	1910	100.0%	-	-	-	2450	2450	100.0%
Zavkhan	2000	2000	100.0%	2070	2070	100.0%	-	-	-	2580	2580	100.0%
Uvs	1900	1900	100.0%	1980	1980	100.0%	-	-	-	2390	2390	100.0%
Hovd	2010	2010	100.0%	2090	2090	100.0%	-	-	-	2510	2510	100.0%
Hangai region	1800	1799	99.9%	1879	1879	100.0%	2242	2242	100.0%	2423	2423	100.0%
Arkhangai	1820	1820	100.0%	1890	1890	100.0%	2250	2250	100.0%	2460	2460	100.0%
Bayankhongor	1860	1860	100.0%	1900	1900	100.0%	-	-	-	2480	2480	-
Bulgan	1750	1750	100.0%	1855	1855	100.0%	2240	2240	100.0%	2380	2380	100.0%
Uvurkhangai	1820	1820	100.0%	1890	1890	100.0%	2250	2250	100.0%	2460	2460	100.0%
Orkhon	1750	1750	100.0%	1840	1840	100.0%	2240	2240	100.0%	2370	2370	100.0%
Selenge	1750	1740	99.4%	1840	1840	100.0%	2240	2240	100.0%	2370	2370	100.0%
Khuvsgul	1850	1850	100.0%	1940	1940	100.0%	2230	2230	100.0%	2440	2440	100.0%
Central region	1797	1793	99.8%	1886	1881	99.7%	2264	2258	99.7%	2413	2407	99.7%
Ulaanbaatar	1743	1743	100.0%	1835	1835	100.0%	2240	2240	100.0%	2367	2367	100.0%
Tuv	1740	1740	100.0%	1820	1780	97.8%	2240	2240	100.0%	2360	2310	97.9%
Darkhan	1750	1750	100.0%	1840	1840	100.0%	2240	2240	100.0%	2370	2370	100.0%
Govisumber	1830	1830	100.0%	1890	1890	100.0%	2280	2280	100.0%	2480	2480	100.0%
Dundgovi	1840	1810	98.4%	1920	1920	100.0%	2250	2250	100.0%	2320	2320	100.0%
Dornogovi	1810	1810	100.0%	1910	1910	100.0%	2270	2270	100.0%	2460	2460	100.0%
Umnugovi	1850	1850	100.0%	1960	1960	100.0%	2320	2270	97.8%	2490	2490	100.0%
Zamin Uud	1810	1810	100.0%	1910	1910	100.0%	2270	2270	100.0%	2460	2460	100.0%
Eastern region	1877	1877	100.0%	1933	1933	100.0%	2280	2280	100.0%	2473	2473	100.0%
Dornod	1880	1880	100.0%	1940	1940	100.0%	2250	2250	100.0%	2470	2470	100.0%
Sukhbaatar	1880	1880	100.0%	1950	1950	100.0%	2320	2320	100.0%	2480	2480	100.0%
Khentii	1870	1870	100.0%	1910	1910	100.0%	2270	2270	100.0%	2470	2470	100.0%

Source: Petroleum Products Division, MRPAM

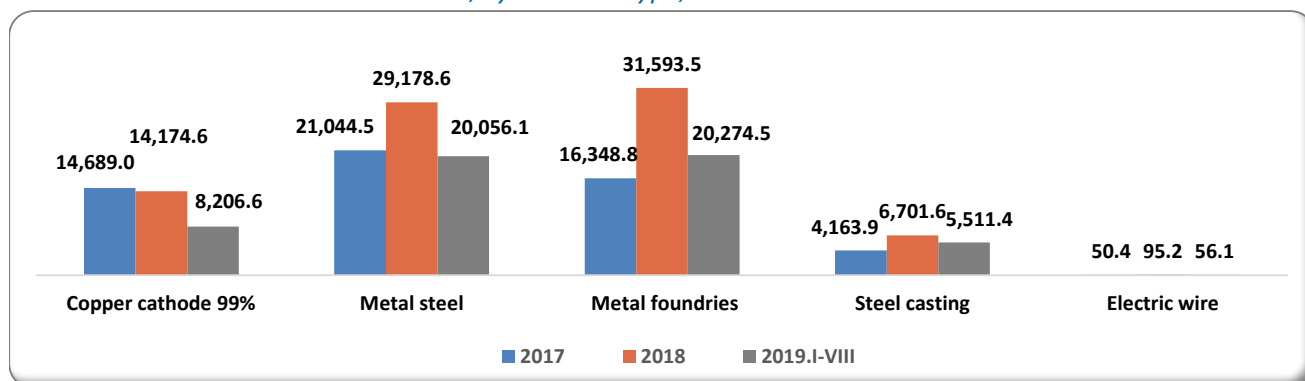
5.8. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type and end of month, 2017-2019

	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
2017.I.25	1538	1658	1817	1750
2017.II.21	1574	1713	1842	1800
2017.III.27	1573	1712	1839	1799
2017.IV.25	1573	1712	1861	1796
2017.V.23	1568	1707	1861	1791
2017.VI.27	1568	1707	1861	1791
2017.VII.18	1568	1705	1861	1790
2017.VIII.29	1559	1698	1861	1790
2017.IX.19	1559	1698	1861	1780
2017.X.31	1557	1695	1862	1776
2017.XI.28	1559	1701	1863	1783
2017.XII.26	1563	1703	1863	1794
2018.I.30	1569	1709	2042	1987
2018.II.27	1644	1792	2073	2097
2018.III.27	1677	1824	2071	2116
2018.V.01	1667	1813	2082	2089
2018.V.29	1669	1813	2129	2087
2018.VI.26	1691	1815	2076	2091
2018.VII.31	1750	1888	2157	2175
2018.VIII.28	1750	1888	2157	2180
2018.IX.25	1783	1917	2163	2215
2018.X.30	1865	2002	2223	2328
2018.XI.27	1931	2068	2342	2443
2018.XII.31	1879	1924	2319	2450
2019.I.29	1768	1823	2206	2353
2019.II.26	1763	1819	2206	2351
2019.III.26	1763	1819	2206	2348
2019.IV.30	1803	1885	2248	2401
2019.V.28	1875	1980	2325	2445
2019.VI.25	1874	1968	2297	2435
2019.VII.30	1845	1921	2262	2433
2019.VIII.27	1844	1920	2260	2432
2019.VIII.27	99.9%	99.9%	99.9%	99.9%
2019.VII.30				
2019.VIII.27	105.4%	101.7%	104.8%	111.6%
2018.VIII.28				
2019.VIII.27	118.3%	113.1%	121.4%	135.9%
2017.VIII.29				

Source: Petroleum Products Division, MRPAM

6 | HEAVY INDUSTRY

6.1. HEAVY INDUSTRIAL PRODUCTION, by tons and type, 2017-2019



6.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and month, 2017-2019

	Copper cathode 99%	Metal steel	Metal foundries	Steel casting	Electric wire
2018	14,174.6	29,178.6	31,593.5	6,701.6	95.2
2018.I	1,262.3	2,728.2	1,389.2	225.7	17.8
2018.II	1,080.2	1,701.6	2,424.3	-	1.3
2018.III	1,239.3	3,577.5	3,946.7	-	4.5
2018.IV	1,186.0	3,613.7	3,033.0	671.5	9.3
2018.V	1,264.2	591.4	2,000.0	1,216.0	9.1
2018.VI	1,149.2	3,031.2	3,784.3	789.2	7.1
2018.VII	1,184.2	1,546.3	1,939.8	350.9	10.7
2018.VIII	1,237.8	1,583.9	1,596.5	992.1	6.7
2018.IX	849.2	2,483.1	2,173.7	820.3	0.0
2018.X	1,255.0	2,435.1	3,839.0	735.9	11.4
2018.XI	1,289.9	2,463.7	3,298.4	481.0	2.3
2018.XII	1,177.3	3,422.9	2,168.6	419.0	15.0
2019.I-VIII	8,206.6	20,056.1	20,274.5	5,511.4	56.1
2019.I	1,236.5	3,520.6	3,624.9	386.7	9.2
2019.II	1,020.9	3,675.9	3,932.0	311.6	7.7
2019.III	1,038.7	624.2	-	496.3	9.1
2019.IV	1,031.9	2,035.8	1,704.1	998.1	13.1
2019.V	1,076.5	3,661.9	4,096.0	1,179.9	6.9
2019.VI	884.4	2,540.7	3,072.4	859.1	6.1
2019.VII	986.3	3,191.9	2,242.1	226.8	4.0
2019.VIII	931.4	805.1	1,603.0	1,052.9	-
2019.VIII 2018.VIII	75.2%	50.8%	100.4%	106.1%	-
2019.I-VIII 2018.I-VIII	85.5%	109.2%	100.8%	129.8%	84.4%

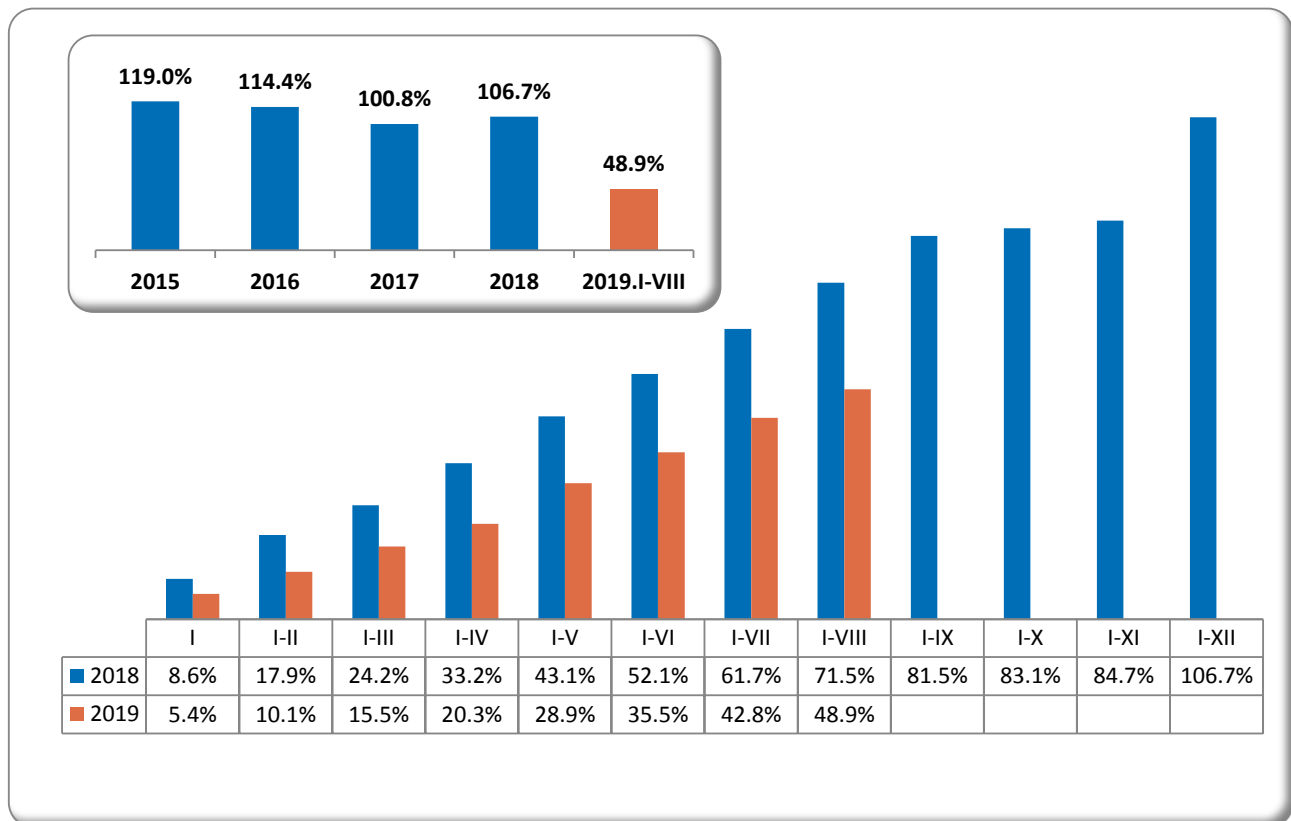
Source: Heavy Industry and Technology Division, MRPAM

7 STATE INVESTMENT REVENUE

6.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by mln.MNT and income type, 2019

	Plan of 2019	Performance	
		2019.I-VIII	Performance rate %
License fee	42,900.0	22,984.8	53.6%
Reimbursement	2,300.0	4,002.6	174.0%
Petroleum export revenue	335,600.0	155,157.6	46.2%
Service revenue /petroleum/	2,717.7	1,798.1	66.2%
Service revenue /mineral resources/	9,282.4	1,598.1	17.2%
Tender revenue	11,250.0	11,915.0	105.9%

6.2.PERFORMANCE RATE OF MRPAM's BUDGET REVENUE, 2015-2019



Source: Public Administration and Management Division, MRPAM

TELEPHONE LIST OF MINERAL RESOURCES AND PETROLEUM AUTHORITY

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Deputy Director	263750
Deputy Director	328305
Public Administration and Management Division	263708
Legal Division	263781
Geology and Exploration Division	330939
Mining Productions, Technology Division	310041
Coal Research Division	263965
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