



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2019/12



www.mrpam.gov.mn

CONTENTS

A. KEY INDICATORS.....	3
I. CADASTRE	4
II. GEOLOGY.....	13
III. MINING	16
IV. COAL	21
V. PETROLEUM	24
VI. HEAVY INDUSTRY	29
VII. STATE BUDGET REVENUE OF MRPAM	31

Valid mining and exploration licenses **2,796** (2019.XII.31)

Valid licensed area size **7.4** mln.ha (2019.XII.31)

Percent of total licensed area in Mongolia's territory **4.8%** (2019.XII.31)

Geological survey conducted at expense of the state budget **24,621.0** mln.MNT (2019.I-XII)

Average price of gold on the world market **1,476.0** US\$/ounce (2019.XII)

Average price of copper on the world market **6,062.1** US\$/tons (2019.XII)

Average price of thermal coal on the world market **39.8** US\$/tons (2019.XI)

Average price of coking coal on the world market **121.4** US\$/tons (2019.XI)

Coal production **57,128.8** thousand tons (2019.I-XII)

Coal sale **47,047.8** thousand tons (2019.I-XII)

Coal export **36,809.1** thousand tons (2019.I-XII)

Petroleum production **6,876,055** barrel (2019.I-XII)

Petroleum export **6,546,397** barrel (2019.I-XII)

Petroleum import **2,108,446** tons (2019.I-XII)

Average price of gasoline A-80 **1,847** MNT (2019.XII.30)

Average price of gasoline AI-92 **1,925** MNT (2019.XII.30)

Average price of gasoline AI-95 **2,260** MNT (2019.XII.30)

Average price of diesel fuel **2,524** MNT (2019.XII.30)

Copper cathode 99% production **11,727.6** tons (2019.I-XII)

Metal steel production **28,425.7** tons (2019.I-XII)

Metal foundries production **26,902.1** tons (2019.I-XII)

Steel casting production **9,360.4** tons (2019.I-XII)

Electric wire production **82.0** tons (2019.I-XII)

Copper cathode export **11,933.4** tons (2019.I-XII)

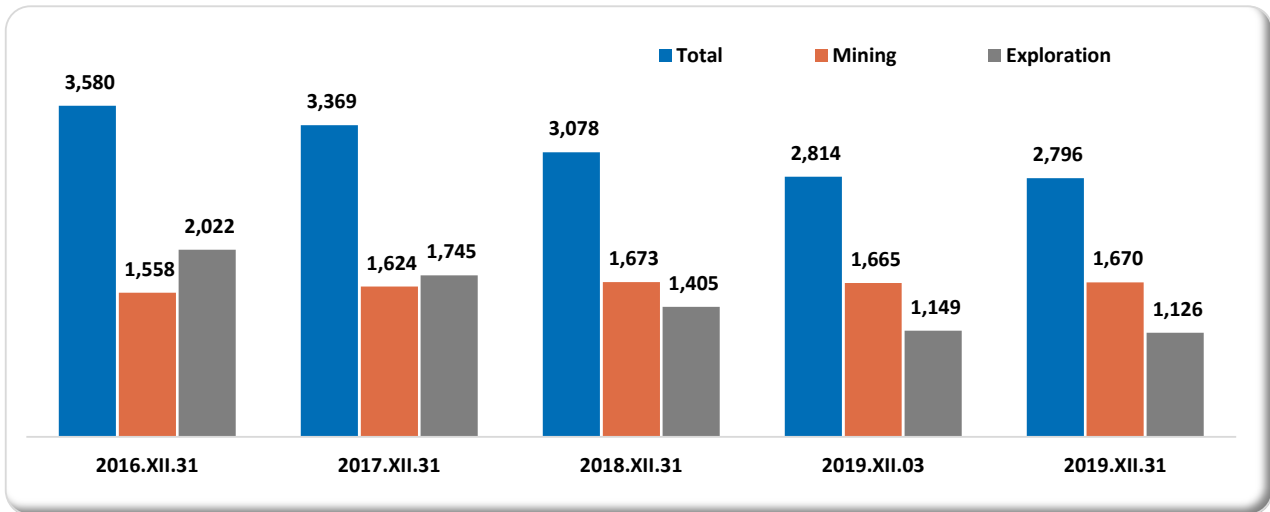
Budget revenue of MRPAM **298,469.8** mln.MNT (2019.I-XII)

1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces and 2019.XII.31

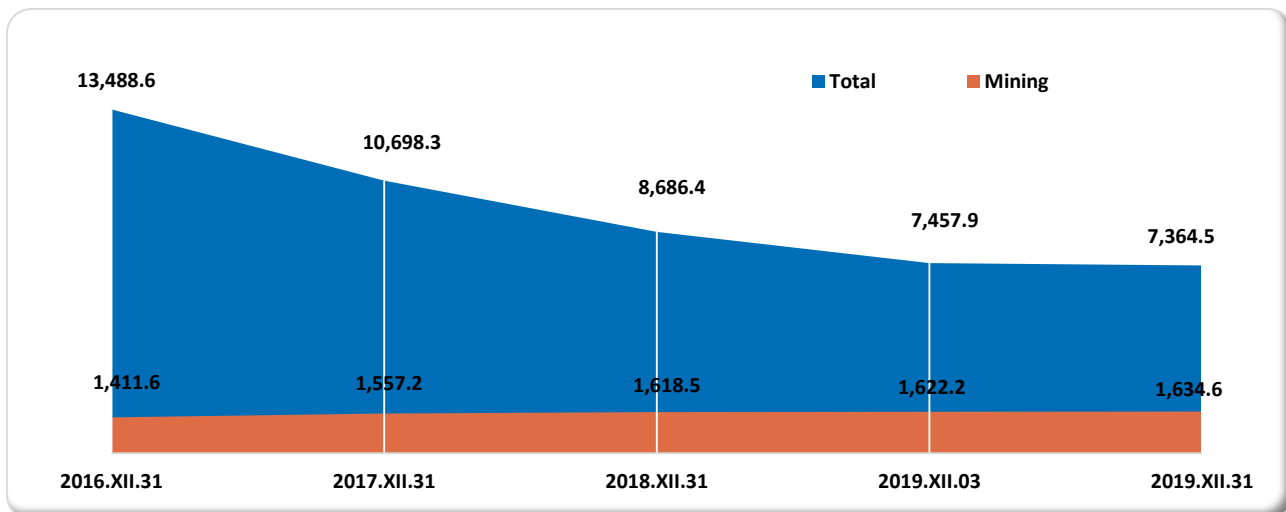
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2,796	7,364.5	4.8%	1,670	1,634.6	1.0%	1,126	5,729.9	3.8%
Arkhangai	22	61.5	1.1%	15	6.2	0.1%	7	55.3	1.0%
Bayan-Ulgii	61	180.5	3.9%	28	15.4	0.3%	33	165.1	3.6%
Bayankhongor	149	355.7	3.1%	94	124.5	1.1%	55	231.2	2.0%
Bulgan	110	136.4	2.8%	74	35.7	0.7%	36	100.7	2.1%
Uvurkhangai	48	136.0	2.2%	28	15.7	0.2%	20	120.4	1.9%
Govi-Altai	145	706.6	5.0%	50	73.5	0.5%	95	633.2	4.5%
Govisumber	18	45.6	8.2%	13	38.9	7.0%	5	6.7	1.2%
Darkhan Uul	69	12.7	3.9%	63	7.6	2.3%	6	5.1	1.6%
Dornogovi	346	1,282.1	11.7%	187	232.6	2.1%	159	1,049.5	9.6%
Dornod	153	512.4	4.1%	73	63.0	0.5%	80	449.4	3.6%
Dundgovi	204	701.5	9.4%	106	182.6	2.4%	98	518.9	6.9%
Zavhan	56	271.9	3.3%	10	15.0	0.2%	46	256.9	3.1%
Umnugovi	178	1,113.8	6.7%	92	447.0	2.7%	86	666.7	4.0%
Orkhon	9	11.1	13.2%	9	11.1	13.2%	0	0.0	0.0%
Sukhbaatar	98	299.1	3.6%	66	58.9	0.7%	32	240.2	2.9%
Selenge	180	97.6	2.4%	141	42.9	1.0%	39	54.7	1.3%
Tuv	393	377.1	5.1%	294	153.1	2.1%	99	224.0	3.0%
Uvs	131	424.9	6.1%	49	21.4	0.3%	82	403.5	5.8%
Ulaanbaatar	172	14.7	3.1%	160	13.3	2.8%	12	1.4	0.3%
Khuvsgul	26	17.0	0.2%	21	10.3	0.1%	5	6.7	0.1%
Khovd	103	266.9	3.5%	35	14.0	0.2%	68	252.9	3.3%
Khentii	217	339.4	4.2%	120	52.0	0.6%	97	287.4	3.6%

Source: Cadastre Division, MRPAM

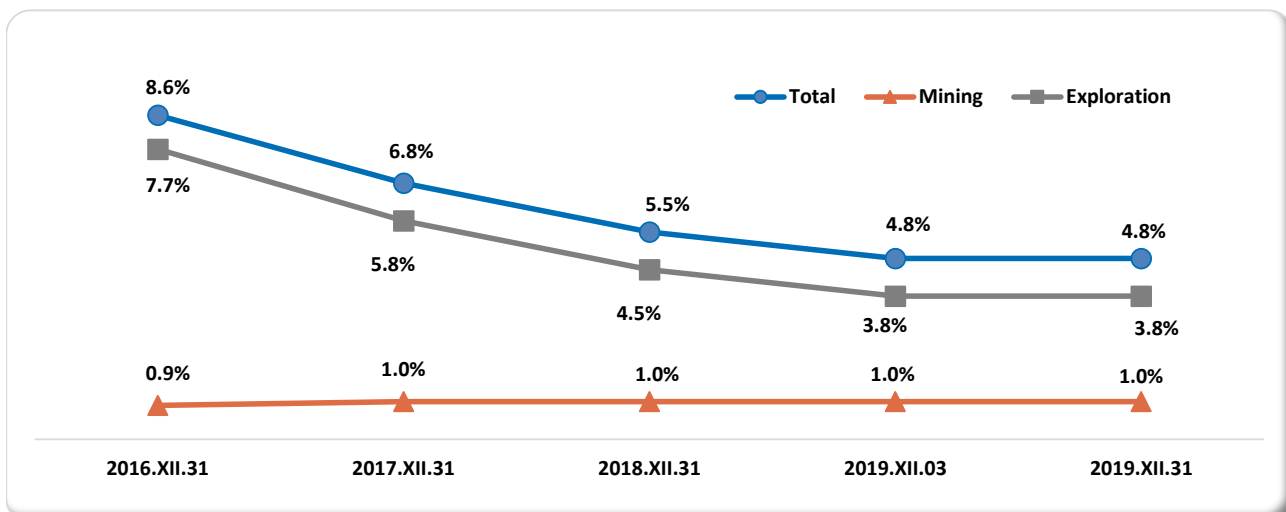
1.2. COUNT OF TOTAL VALID LICENSES, by 2016-2019



1.3. LICENSED AREA, by thousands.ha and 2016-2019



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, by 2016-2019



Source: Cadastre Division, MRPAM

1.5. COUNT OF MINING LICENSE, by type of minerals and 2019.XII.31

	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1670	100%	1,634,583.1	100%
Gold	531	31.8%	237,368.7	14.5%
Coal	298	17.8%	790,200.3	48.3%
Fluorite	187	11.2%	28,905.7	1.8%
limestone	77	4.6%	43,868.4	2.7%
Iron	70	4.2%	41,721.9	2.6%
Common mineral, sand gravel	70	4.2%	3,685.1	0.2%
Common mineral, mud	53	3.2%	2,802.1	0.2%
Common mineral, gravel	34	2.0%	9,240.3	0.6%
Tungsten	29	1.7%	9,062.1	0.6%
Common mineral, sand	24	1.4%	1,333.4	0.1%
Concentrated metal	23	1.4%	26,976.6	1.7%
Gypsum	22	1.3%	6,016.5	0.4%
Copper	16	1.0%	80,534.3	4.9%
Gold (placer), copper	14	0.8%	86,764.3	5.3%
Tin	13	0.8%	6,610.7	0.4%
Earth rare metal	9	0.5%	7,435.4	0.5%
Molybdenum, Copper	8	0.5%	14,328.3	0.9%
Common mineral, sand stone	8	0.5%	1,553.5	0.1%
Uranium	7	0.4%	76,866.1	4.7%
Molybdenum	7	0.4%	8,922.5	0.5%
Marble	7	0.4%	2,020.0	0.1%
Graphite	6	0.4%	19,836.7	1.2%
Molybdenum, tungsten	5	0.3%	5,047.1	0.3%
Aggregate stone	5	0.3%	1,698.9	0.1%
Iron, zinc	5	0.3%	1,126.4	0.1%
Manganese	4	0.2%	7,507.0	0.5%
Gold, Copper	4	0.2%	5,367.5	0.3%
Wolfram, Tin	4	0.2%	2,833.9	0.2%
Мөсөн шүү	4	0.2%	1,449.0	0.1%
Silver	4	0.2%	1,050.4	0.1%
Gold (placer), silver	3	0.2%	9,587.7	0.6%
Aluminium	3	0.2%	1,370.9	0.1%
Other	116	6.9%	91,491.5	5.6%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha, overlap and 2019.XII.31

	Hectare	Percent of total territory
Valid mining licensed area	1.6	1.0%
Valid exploration licensed area	5.7	3.8%
State protected area	32.9	21.0%
Special purpose area	30.5	19.5%
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, by provinces and 2019.XII.31

	Count of area		Area size	
	Count	Percent	Hectare	Percent
TOTAL	272	100%	1,113.4	100%
Arkhangai	1	0.4%	4.8	0.4%
Bayan-Ulgii	2	0.7%	53.7	4.8%
Bayankhongor	57	21.0%	152.3	13.7%
Bulgan	29	10.7%	126.4	11.3%
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	9.4%
Uvurkhangai	20	7.4%	39.7	3.6%
Umnugovi	20	7.4%	86.2	7.7%
Selenge	52	19.1%	220.1	19.8%
Tuv	12	4.4%	78.3	7.0%
Ulaanbaatar	5	1.8%	19.0	1.7%
Khovd	4	1.5%	11.3	1.0%
Khentii	36	13.2%	109.4	9.8%

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, by 2019.XII.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1772	2796	7,364,471.7	100%
Mongolian entities	1411	2208	5,449,892.2	74.0%
100% foreign entities	257	423	1,515,970.7	20.6%
Joint foreign entities	104	165	398,608.7	5.4%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, by countries and 2019.XII.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	257	423	1,515,970.7	100%
China	136	172	373,687.0	24.65%
Virgin Islands	33	62	143,500.3	9.47%
Hong Kong	16	30	141,786.3	9.35%
Singapore	15	56	337,097.2	22.24%
Canada	12	26	257,598.0	16.99%
South Korea	10	15	34,093.7	2.25%
Australia	6	7	32,354.6	2.13%
Russia	3	3	134.6	0.01%
Great Britain	3	15	106,872.3	7.05%
Holland	3	4	6,038.7	0.40%
United States of America	2	4	3,167.8	0.21%
Bermud	2	3	7,314.3	0.48%
Luxemburg	2	6	13,528.2	0.89%
Germany	2	2	603.9	0.04%
Japan	2	3	3,015.1	0.20%
Luxemburg, Seychelles	1	1	36,391.0	2.40%
Kazakhstan	1	1	136.5	0.01%
Russia, South Korea	1	1	118.2	0.01%
Malaysia	1	2	2,416.5	0.16%
New Zealand	1	2	149.4	0.01%
Barbados	1	4	10,040.0	0.66%
Bulgaria	1	1	3,700.9	0.24%
Virgin Islands, Singapore	1	1	1,934.0	0.13%
Ukraine	1	1	245.0	0.02%
Russia, China	1	1	47.5	0.00%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, *by countries and 2019.XII.31*

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	104	165	398,608.7	100%
Mongolia, China	50	77	118,023.2	29.6%
Mongolia, South Korea	10	17	44,048.4	11.1%
Mongolia, Russia	8	10	1,382.3	0.3%
Mongolia, Virgin Islands	6	10	35,233.8	8.8%
Mongolia, Japan	5	12	24,547.7	6.2%
Mongolia, Germany	4	5	11,776.3	3.0%
Mongolia, Singapore	4	7	30,219.9	7.6%
Mongolia, Czech Republic	3	6	52,377.8	13.1%
Mongolia, Great Britain	2	2	5,135.2	1.3%
Mongolia, Hong Kong, Japan	1	3	43,809.3	11.0%
Mongolia, Kazakhstan	1	1	1,789.4	0.4%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	0.9%
Mongolia, Bulgaria	1	3	1,083.7	0.3%
Mongolia, Canada	1	1	3,957.7	1.0%
Mongolia, Canada, China	1	1	6,352.8	1.6%
Mongolia, Luxemburg	1	1	3,273.9	0.8%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Poland	1	1	1,561.3	0.4%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.4%
Mongolia, Hong Kong	1	4	8,665.5	2.2%
Mongolia, Hungary	1	1	87.4	0.0%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, by bank and non-bank financial institute and 2019.XII.31

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	224	100%	244,030.7	100%
Trade and Development Bank	32	14.3%	16,891.6	6.9%
Golomt Bank	30	13.4%	26,848.4	11.0%
Development Bank of Mongolia	25	11.2%	16,818.6	6.9%
HAAN Bank	15	6.7%	2,891.8	1.2%
Golomt, Saving, Zoos, Anod Banks	11	4.9%	80,891.6	33.1%
Ulaanbaatar City Bank	10	4.5%	8,443.1	3.5%
XAC Bank	10	4.5%	2,555.0	1.0%
Capital Bank	9	4.0%	1,098.2	0.5%
Anod Bank	8	3.6%	7,329.7	3.0%
Chinggis Khan Bank	7	3.1%	3,201.9	1.3%
European Bank for Reconstruction and Development	7	3.1%	2,658.5	1.1%
Capitronbank	5	2.2%	1,431.0	0.6%
State Bank	4	1.8%	570.6	0.2%
National Investment Bank	4	1.8%	1,247.2	0.5%
Bank of China	4	1.8%	978.2	0.4%
Transport Development bank	3	1.3%	1,670.1	0.7%
Bogd bank	3	1.3%	154.0	0.1%
Saving bank	3	1.3%	10,911.8	4.5%
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	5.3%
GSB capital NBFi	2	0.9%	9,271.1	3.8%
World Gold	2	0.9%	2,194.9	0.9%
Erel bank	2	0.9%	150.3	0.1%
First lithium Corporation	2	0.9%	17,131.1	7.0%
Khutult nomgon	2	0.9%	253.4	0.1%
Other	18	8.0%	14,329.7	5.9%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, by 2019.XII.31

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Mongolroscvetmet	26	15,086.0	mongolian legal entity	Mongolia
2	Mongolyn alt Mak	22	60,037.6	mongolian legal entity	Mongolia
3	Gatsuurt	17	9,557.3	mongolian legal entity	Mongolia
4	Tsaina investment mongolia	15	207,645.0	Entity with 100% foreign investment	Singapore
5	Olon-Ovoot gold	14	90,111.6	mongolian legal entity	Mongolia
6	Gobi Coal and Energy	12	7,139.8	mongolian legal entity	Mongolia
7	Khunnu gobi altai	12	2,206.7	mongolian legal entity	Mongolia
8	Platinum land	11	3,621.3	mongolian legal entity	Mongolia
9	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore
10	Erel	10	10,960.9	mongolian legal entity	Mongolia
11	MAK cement	10	3,745.9	mongolian legal entity	Mongolia

1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, by 2019.XII.31

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Tsaina investment mongolia	15	207,645.0	100% foreign invested entity	Singapore
2	Mongol uranium resource	3	154,746.3	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 and 2016-2019

	2016	2017	2018	2019.I-XI	2019.I-XII
TOTAL	613	813	1187	674	698
New license	131	288	226	210	218
Mining	103	65	78	65	73
Exploration	0	0	0	0	0
Tender	28	223	148	145	145
Extension of exploration license	173	231	657	273	273
Transfer	139	153	157	69	72
Mining	49	78	25	24	24
Exploration	90	75	132	45	48
Pledge	33	37	61	24	25
Mining	30	32	58	23	24
Exploration	3	5	3	1	1
Surrender	137	104	86	98	110
Mining	26	14	12	11	12
Exploration	111	90	74	87	98

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

	2016	2017	2018	2019.I-XI	2019.I-XII
New license	750	151	85	125	130
Mining	93	77	61	55	59
Exploration	629	41	5	0	0
Tender	28	33	19	70	71
Surrendered	166	97	91	90	93
Mining	25	13	11	10	11
Exploration	141	84	80	80	82
Canceled	241	237	181	179	189
Mining	37	35	33	69	70
Exploration	204	202	148	110	119
Expired	124	176	209	196	199
Transferred	146	136	172	70	71
Mining	50	62	38	24	24
Exploration	96	74	134	46	47
Extended	167	162	566	300	300
Pledged	29	39	56	23	24
Mining	27	34	53	23	23
Exploration	2	5	3	0	0
Terminated pledges	16	39	27	27	31
Mining	12	38	26	26	30
Exploration	4	1	1	1	1
Re-issue of license documents	35	26	40	26	27
Mining	15	19	13	13	14
Exploration	20	7	27	13	13

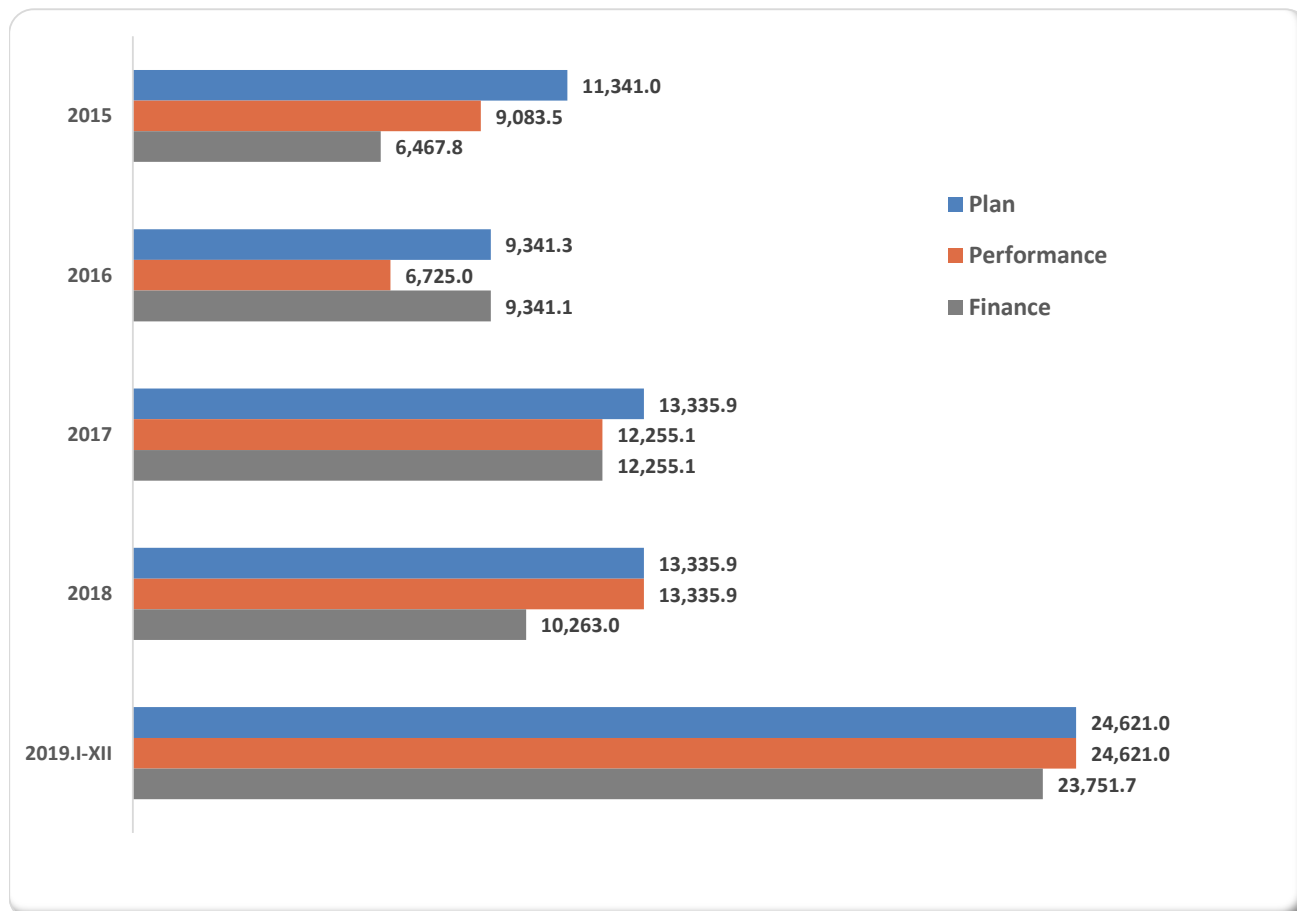
Source: Cadastre Division, MRPAM

2 | GEOLOGY

2.1. GEOLOGICAL SURVEY CONDUCTED AT EXPENSE OF THE STATE BUDGET, by million MNT, type of work and 2017-2019

	2017		2018		2019.I-XII	
	Mln.MNT	Percent	Mln.MNT	Percent	Mln.MNT	Percent
TOTAL	12,255.1	100%	13,335.0	100%	24,621.0	100%
1:200000 scale geological map	482.3	3.9%	408.5	3.1%	753.0	3.1%
1:50000 scale geological map, general survey	5,355.9	43.7%	4,692.7	35.2%	8,115.1	33.0%
Thematic work	6,274.6	51.2%	8,144.1	61.1%	15,471.6	62.8%
Collaborative projects	142.4	1.2%	90.0	0.7%	281.3	1.1%

2.2. PLAN AND PERFORMANCE OF GEOLOGICAL SURVEY CONDUCTED AT EXPENSE OF THE STATE BUDGET, by million MNT and 2015-2019



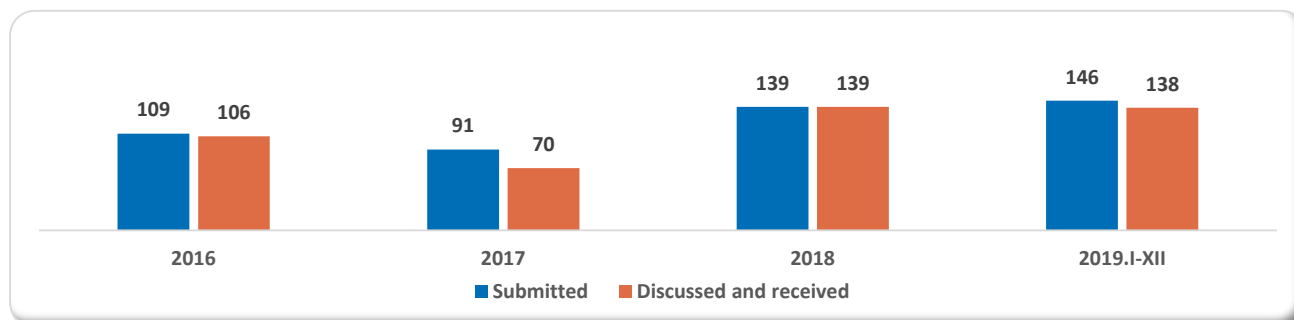
Source: Geology and Exploration Division, MRPAM

2.3. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, by million MNT, type work and 2016-2018

	2016	2017	2018 (2019.XII.31)	Percent of 2018
TOTAL	190,260.4	130,586.6	148,775.5	100%
Preparation	8,924.2	3,615.2	3,445.7	2.3%
Mapping	5,815.3	1,886.1	6,413.7	4.3%
Geological survey	6,383.5	2,334.6	2,748.7	1.8%
Sampling	32,645.9	80,896.6	83,069.7	55.8%
Geophysical work	9,826.5	15,008.9	10,461.7	7.0%
Mining	1,697.1	-	-	0.0%
Drilling	68,917.0	5,825.9	11,786.5	7.9%
Laboratory	8,833.1	11,413.4	12,600.3	8.5%
Topogeodetic work	2,248.6	5,518.1	3,754.6	2.5%
Hydrogeological work	1,174.1	943.7	1,621.3	1.1%
Geoecological survey	-	-	1,118.2	0.8%
Transport	17,331.0	341.4	1,073.2	0.7%
Indoor, laboratory investigation	11,685.7	1,120.4	822.1	0.6%
Environment reclamation	1,346.9	348.3	448.5	0.3%
Field sampling	2,101.3	929.4	1,674.5	1.1%
Archeology	231.2	162.2	173.2	0.1%
Assume expenses	-	-	7,562.6	5.1%
Other	11,098.5	242.4	0.8	0.0%

Source: Geology and Exploration Division, MRPAM

2.4. RECEIVED EXPLORATION REPORT, by 2016-2019



2.5. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, by 2019.I-XII

	Deposit	Resource		
		Unit	ore	metal
Gold (rock)		ths.t/kg	48,058.5	63,903.9
Silver	8	t	-	265.3
Blue lead		ths.t	-	119.5
Zinc		ths.t	-	201.9
Gold (placer)	39	kg	4,049.2	3,621.6
Iron		ths.t	15,545.9	-
Iron	4	ths.t	-	4,992.3
Zinc		ths.t	-	70.3
Polymetal		ths.t	11,907.1	-
Copper		t	-	1,284.8
Zinc	4	t	-	94,319.7
Blue lead		t	-	23,127.1
Gold		kg	-	871.1
Silver		t	-	91.3
Tin tungsten (placer)		t	-	-
Tin	1	t	-	547.7
Tungsten		t	-	75.4
Fluorspar	15	ths.t	3,538.2	1,572.3
Zinc		ths.t	3273.9	-
Zinc		ths.t	-	308.6
Blue lead	1	ths.t	-	16.3
Silver		kg	-	87.8
Iron		ths.t	-	636.7
Nickel		ths.t	42,591.0	-
Nickel	1	ths.t	-	78.77
Cobaltite		ths.t	-	3.83
Tungsten	1	ths.t/t	74.9	965.3
Coal	17	mln.t	5,151.2	
Silicon	1	ths.t	182.1	
Limestone	4	mln.t	130.9	
Building stone	14	ths.t	336,337.7	
Graphite	1	ths.t	347.4	
Gypsum	1	ths.t	683.3	
Mud	2	ths.m3	3,796.4	
Sand gravel	5	ths.m3	6,571.6	
Sand	4	ths.m3	543.2	
Marble	2	ths.m3	81,596.8	

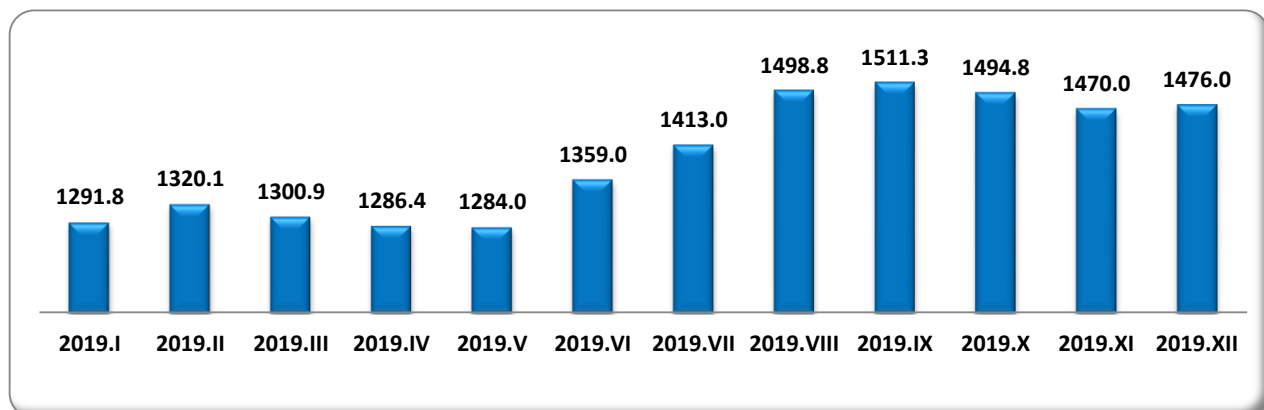
Source: Geology and Exploration Division, MRPAM

3 | MINING

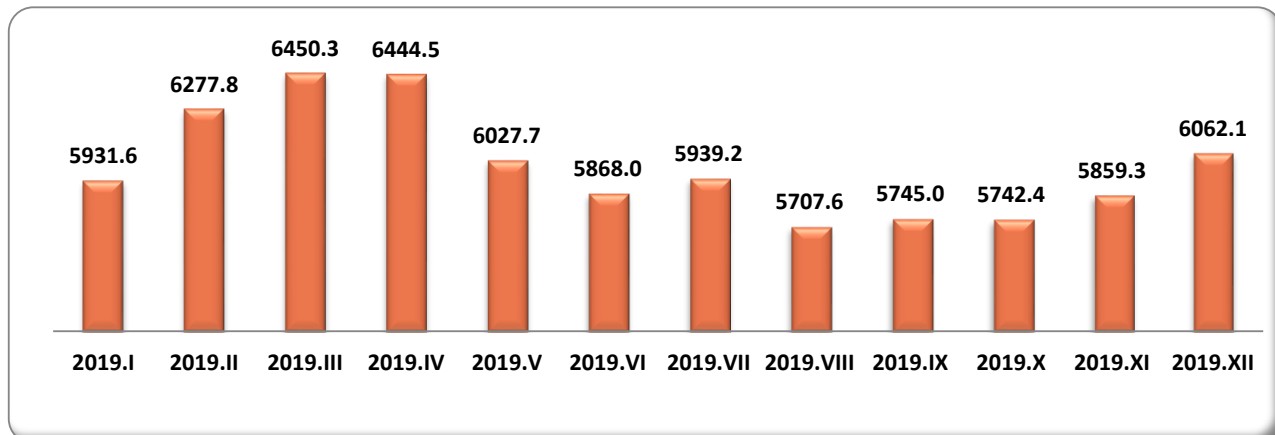
3.1. AVERAGE OF COMMODITY PRICES ON THE WORLD MARKET, by 2018-2019

	Unit	2018.XII	2018	2019.XII	2019	$\frac{2019.XII}{2018.XII}$	$\frac{2019}{2018}$
Gold	\$/ounce	1,247.9	1,269.4	1,476.0	1,392.2	118.3%	109.7%
Silver	\$/ounce	14.7	15.8	17.1	16.2	116.5%	102.5%
Copper	\$/tons	6,093.5	6,508.1	6,062.1	6,004.6	99.5%	92.3%
Zinc	\$/tons	2,624.9	2,895.6	2,273.4	2,548.6	86.6%	88.0%
Blue lead	\$/tons	1,965.1	2,237.3	1,898.7	1,993.7	96.6%	89.1%
Tin	\$/tons	19,231.6	19,954.6	17,082.5	18,660.5	88.8%	93.5%
Molybdenum	\$/tons	25,000.0	23,075.4	20,296.8	23,755.9	81.2%	102.9%
Tungsten, 99%	\$/tons	37,940.0	41,640.0	32,830.0	33,953.3	86.5%	81.5%
Tungsten, 65%	\$/tons	14,229.4	16,109.7	12,193.5	12,787.3	85.7%	79.4%
Iron ore 56%	\$/tons	40.1	39.6	67.0	67.2	166.9%	169.6%
Iron ore 60% concentrate	\$/tons	59.4	59.0	79.0	82.7	133.0%	140.0%
Fluorite concentrate AG-97	\$/tons	565.0	486.0	415.0	448.3	73.5%	92.3%
Fluorite ore MG-85	\$/tons	382.5	365.0	300.0	320.2	78.4%	87.7%
Uranium	\$/kg	61.2	54.5	55.0	56.5	89.8%	103.7%

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

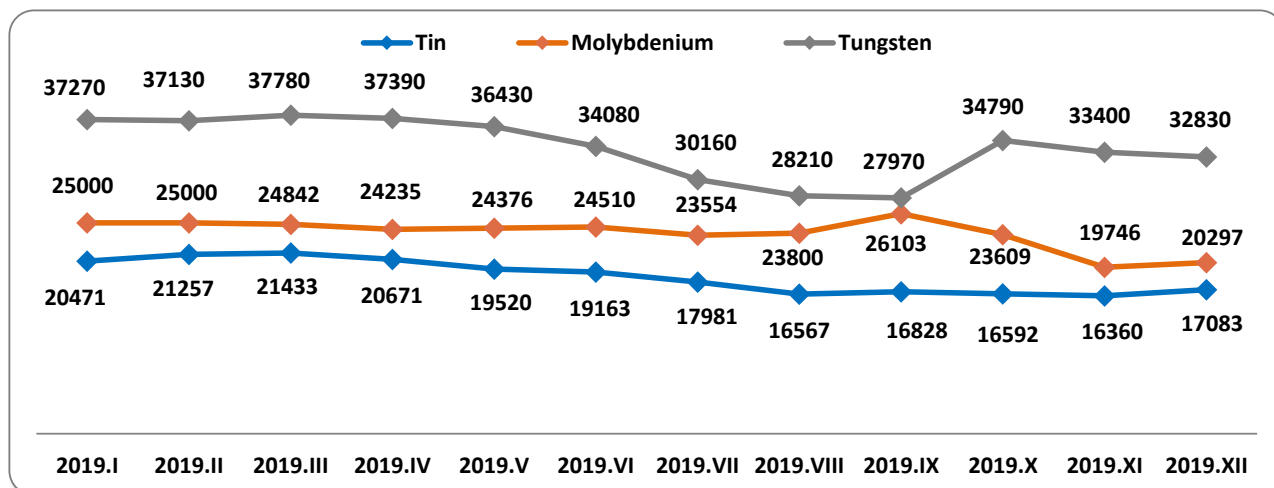


3.3. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

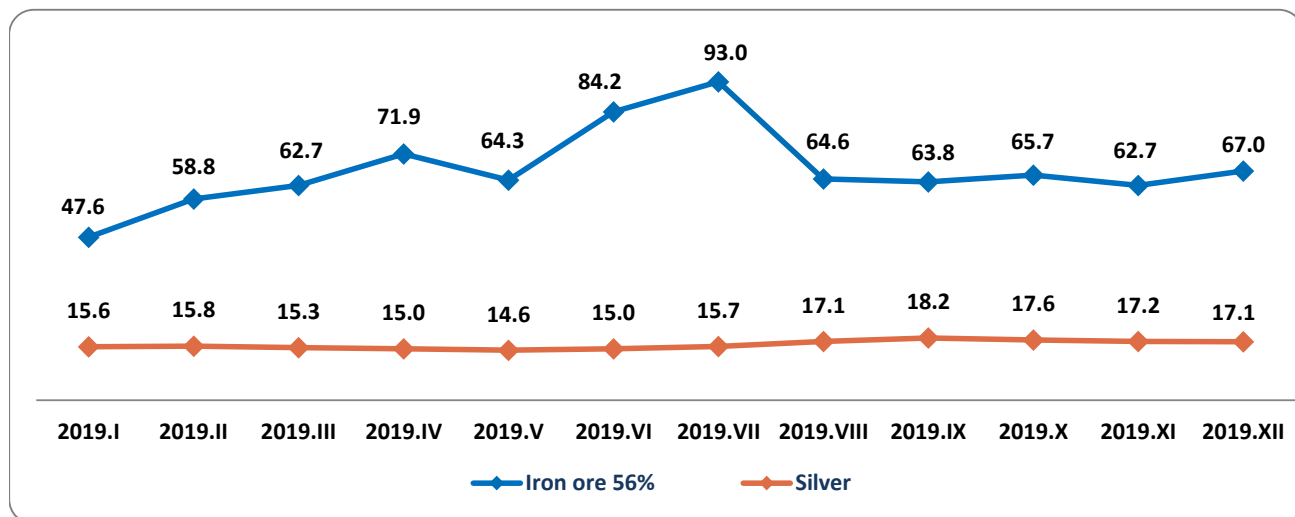


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

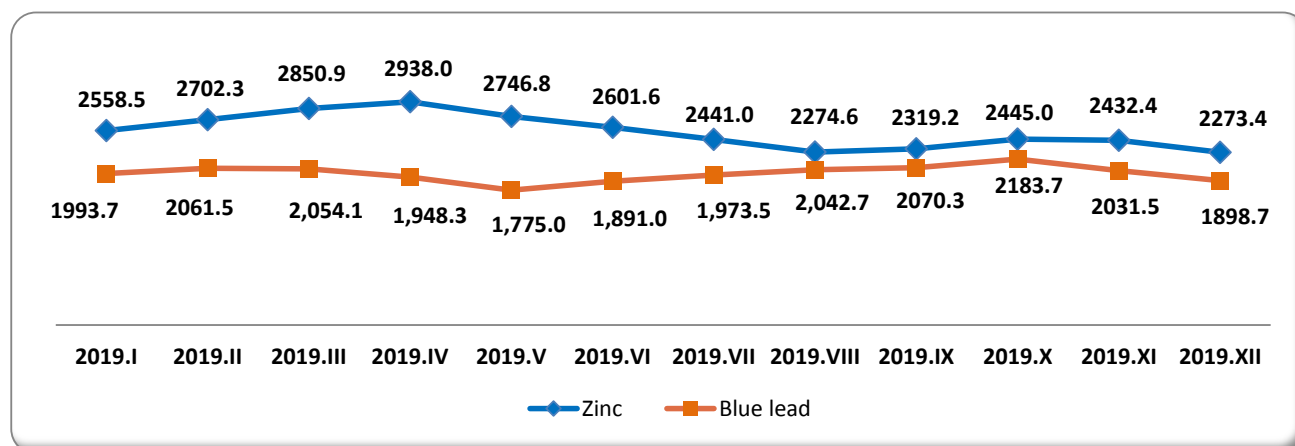
3.4. AVERAGE PRICE OF TIN, MOLYBDENIUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons and last 12 months



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, by 2018-2019

	Stock exchange	Symbol	Currency	Price						Market value /2020 l.09/
				2018.XII	2018	2019.XII	2019	<u>2019.XII</u> 2018.XII	<u>2019</u> 2018	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	1.636	2.591	0.639	1.036	39.1%	40.0%	1.36B
Peabody Energy Corporation	NYQ	BTU	USD	31.042	39.303	9.476	22.07	30.5%	56.2%	812.32M
Rio Tinto plc	LSE	RIO.L	GBp	3,700.4	3,895.5	4,372.2	4,342.7	118.2%	111.5%	75.08B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.127	0.155	0.078	0.121	61.4%	78.1%	152.53M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.164	0.171	0.695	0.412	423.8%	240.9%	542.66M
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.122	1.017	0.858	0.949	76.5%	93.3%	164.91M
Centerra Gold Inc.	TOR	CG.TO	CAD	5.625	6.276	10.086	9.131	179.3%	145.5%	2.91B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.226	0.367	0.175	0.207	77.4%	56.4%	33.38M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.532	0.536	0.39	0.407	73.3%	75.9%	66.45M
Prophecy Development Corp.	TOR	PCY.TO	CAD	0.327	2.015	0.327	0.268	100.0%	13.3%	48.08M
Steppe Gold Ltd	TOR	STGO.TO	CAD	0.776	1.145	0.915	0.849	117.9%	74.1%	37.42M
Kincora Copper Limited	VAN	KCC.V	CAD	0.113	0.159	0.039	0.097	34.5%	61.0%	6.75M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.016	0.017	-	0.01	-	58.8%	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.118	0.177	0.033	0.071	28.0%	40.1%	25.66M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.019	0.018	0.13	0.028	684.2%	155.6%	41.81M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	0.003	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	-	0.082	-	0.09	-	109.8%	34.79M
Banpu Public Company Limited	SET	BANPU.BK	THB	16.55	19.856	11.695	13.987	70.7%	70.4%	58.36B
Petro Matad Limited	LSE	MATD.L	GBp	2.136	8.608	3.488	5.301	163.3%	61.6%	24.50M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	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, by 2018-2019

	Symbol	Price					
		2018.XII	2018	2019.XII	2019	<u>2019.XII</u> 2018.XII	<u>2019</u> 2018
Tavantolgoi	TTL	6,957	9,059	6,525	6,772	93.8%	74.8%
Baganuur	BAN	1,492	1,867	972	1,146	65.1%	61.4%
Shivee-Ovoo	SHV	1,977	2,087	2,465	2,175	124.7%	104.2%
Aduunchuluun	ADL	2,004	2,534	1,331	1,615	66.4%	63.7%
Shariin Gol	SHG	1,906	2,261	1,136	1,542	59.6%	68.2%
Erdene Resource Development Corporation	ERDN	570	605	469	502	82.3%	83.0%
Mogoin gol	BDL	6,728	7,666	8,734	7,766	129.8%	101.3%
Bayanteeg	BTG	18,280	13,919	24,500	21,841	134.0%	156.9%
Berkh-Uul	BEU	-	802	-	574	-	71.6%
Khar Tarvagatai	TVT	-	10,545	-	7,080	-	67.1%
Taliin Gal	TAL	-	15	-	-	-	-
Mongol Basalt	MBW	276	345	259	277	93.8%	80.3%
Mongol Ceramic	KEK	-	21,000	-	18,587	-	88.5%
Silikat	SIL	105	152	69	76	65.7%	50.0%
Songolon barmat	SSG	-	891	-	-	-	-
Remicon	RMC	30	37	29	28	96.7%	75.7%
Arig Tal	EER	3,736	3,631	3,271	3,420	87.6%	94.2%
Niislel-Urguu	NUR	-	9,600	-	5,377	-	56.0%
Erchim Bayan-Ulgii	BOE	-	-	-	749	-	-
Khukh Gan	HGN	83	90	83	75	100.0%	83.3%
Nako Tulsh	NKT	128	135	43	82	33.6%	60.7%

Source: www.mse.mn

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

	Unit	2014	2015	2016	2017	2018 (2019.XII.31)
Area covered by mining	ha	1560.7	871.0	703.5	1002.3	1059.3
Rehabilitated area	ha	959.6	750.0	876.4	677.2	924.2
Expenses for rehabilitation	mIn.MNT	9211.6	4019.0	2167.2	2966.4	3891.2
Area covered by technical rehabilitation	ha	523.1	589.0	954.0	698.5	753.0
Area covered by biological rehabilitation	ha	322.0	320.0	718.0	595.8	697.5
Environmental expenses	mIn.MNT	11683.1	3771.0	5180	5155	7008.3
Area of abusive protection rehabilitation	ha	-	-	257.0	81.6	179.4
Expenses for abusive protection rehabilitation	mIn.MNT	-	-	739.1	413.5	664.1
Area of remodeling the mine and rehabilitation of the village	ha	-	-	29.0	44.0	47.3
Expenses for remodeling the mine and rehabilitation of the village	mIn.MNT	-	-	175.0	214.0	312.1

3.10. AREA COVERED BY MINING AND REHABILITATION AREA IN 2018, *by provinces*

	Count of entities	Area covered by mining		Area covered by technical rehabilitation		Area covered by biological rehabilitation		Environmental expenses	
		Ha	Percent	Ha	Percent	Ha	Percent	Ha	Percent
TOTAL	175	1059.3	100%	753.0	100%	697.5	100%	924.2	100%
Arkhangai	3	9.0	0.8%	15.5	2.1%	38.0	5.4%	38.0	4.1%
Bayan-Ulgii	1	0.2	0.0%	0.0	0.0%	2.0	0.3%	2.0	0.2%
Bayankhongor	10	31.9	3.0%	39.4	5.2%	31.1	4.5%	163.2	17.7%
Bulgan	9	91.7	8.7%	52.1	6.9%	55.6	8.0%	60.3	6.5%
Bulgan, Selenge	1	3.5	0.3%	6.4	0.8%	6.8	1.0%	7.1	0.8%
Bulgan, Tuv	7	141.3	13.3%	198.6	26.4%	102.3	14.7%	102.3	11.1%
Govi-Altai	3	42.0	4.0%	14.8	2.0%	3.5	0.5%	3.6	0.4%
Darkhan Uul	11	16.4	1.5%	31.8	4.2%	13.9	2.0%	19.8	2.1%
Dornogovi	14	30.4	2.9%	19.8	2.6%	2.4	0.3%	4.9	0.5%
Dornod	8	25.9	2.4%	17.9	2.4%	24.3	3.5%	25.2	2.7%
Dundgovi	11	5.6	0.5%	1.3	0.2%	0.1	0.0%	4.0	0.4%
Zavkhan	1	7.9	0.7%	7.5	1.0%	5.1	0.7%	5.1	0.6%
Orkhon	2	173.4	16.4%	1.7	0.2%	2.4	0.3%	14.1	1.5%
Uvurkhangai	3	5.3	0.5%	8.3	1.1%	6.8	1.0%	6.8	0.7%
Umnugovi	4	11.7	1.1%	18.5	2.5%	12.5	1.8%	14.0	1.5%
Sukhbaatar	10	3.7	0.4%	0.6	0.1%	6.9	1.0%	26.5	2.9%
Selenge	17	136.2	12.9%	49.9	6.6%	31.6	4.5%	50.0	5.4%
Tuv	43	289.9	27.4%	256.5	34.1%	342.9	49.2%	362.2	39.2%
Khentii	17	33.3	3.1%	12.5	1.7%	9.4	1.3%	15.2	1.6%

Source: Mining Industry and Technology Division, MRPAM

4 | COAL

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

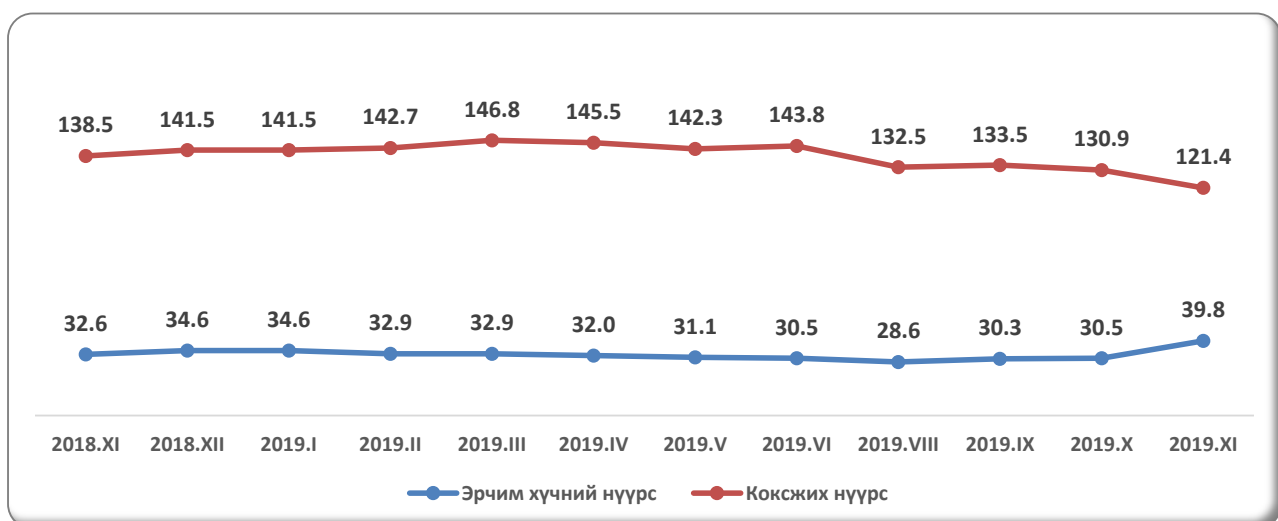
	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2014	95,600.0	24,449.0	27,305.0	19,513.0
2015	92,975.0	23,979.0	22,125.0	14,468.0
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019.I-XII	292,181.7	57,128.8	47,047.8	36,809.1

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

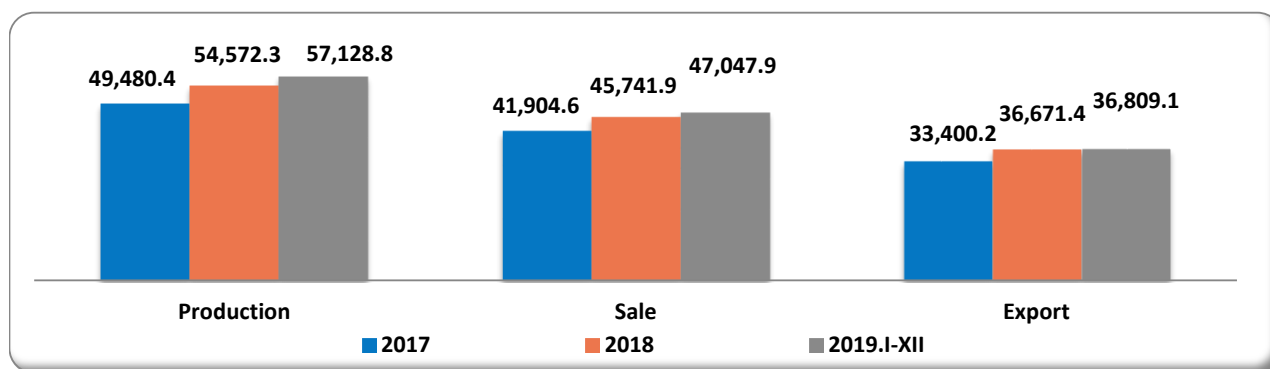
	TOTAL	Export	Local
БҮГД	47,047.8	36,809.1	10,238.7
Washed coking coal	6,846.0	6,846.0	-
Raw coking coal	16,797.1	16,797.1	-
Weak coking coal	8,699.3	8,699.3	-
Thermal coal	4,466.7	4,466.7	-
Brown coal	10,238.7	-	10,238.7

Source: Coal Research Division, MRPAM

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



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

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

	Production	Sale	Export
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-XII	57,128.8	47,047.9	36,809.1
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
2019.IX	5,801.5	4,773.7	3,987.6
2019.X	5,306.4	4,719.3	3,755.1
2019.XI	4,701.0	2,587.3	1,571.1
2019.XII	2,963.6	3,836.8	2,469.9
2019.XII 2018.XII	50.0%	86.8%	74.3%
2019.I-XI 2018.I-XII	104.7%	102.9%	100.4%

Source: Coal Research Division, MRPAM

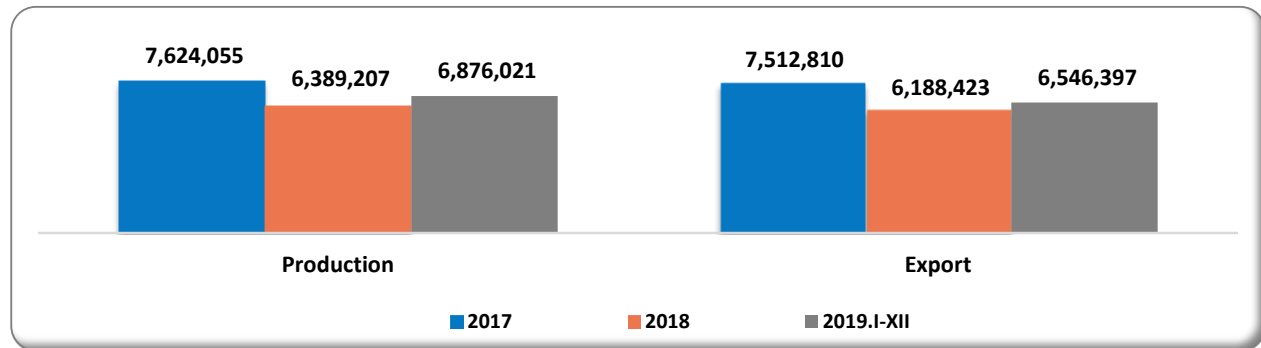
4.6. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, by 2019.XII

Type of coal	Name	Classification	Border name	Deposite name	Total moisture	Ash	Volatile matter	Sulfur value	Calorific value	Free swelling index	Gelification index
					Weight, %				Kcal/kg	Index	
Raw coal	Antracite	Antracite	Khangi	Mandakh nuur	3.2	7.2	7.7	0.41	7580	0.0	0.0
	Coal	Coking	Khangi	Ail bayan	5.6	10.5	22.3	0.58	6776	8.5	88.5
			Gashuun sukhait	Baruun, zuun tsankhi	2.5	14.5	26.0	1.00	7005	7.5	82.8
				Tavan tolgoi 4th orifice	2.8	18.2	28.3	1.05	6720	7.0	80.2
			Weak coking	Gashuun sukhait	Tavan tolgoi 8th orifice	3.2	18.0	30.9	0.96	6752	7.0
		Shivee khuren		Khuren shand	3.1	6.1	37.2	1.15	7025	6.0	92.5
				Zangat uul	2.5	13.5	31.8	0.95	7005	7.5	92.5
				Ukhaa khudag	8.2	8.9	33.5	0.80	6781	7.0	85.3
				Baruun noyon	2.8	18.2	29.6	1.05	6255	7.0	82.5
				MAK	6.2	7.2	37.2	1.25	6950	6.5	80.1
				SGS	2.8	10.8	36.5	1.18	6605	5.0	70.8
		Non coking	Gashuun sukhait	ETT Erchim khuch	3.9	25.2	27.2	0.92	6152	0.0	0.0
				Tavan tolgoi erchim khuch	3.2	28.2	30.5	1.12	5155	0.0	0.0
			Shivee khuren	MAK	20.6	22.8	42.8	1.00	4060	0.0	0.0
				Nariin sukhait SGS	5.2	14.2	37.8	1.33	5620	1.0	14.0
		Other	Zamiin Uud	Alag tolgoi	6.5	18.5	43.2	1.59	5150	0.0	0.0
	Dalan shtain			4.4	21.2	24.6	1.02	6125	0.0	0.0	
Washed coal	Coal	Coking	Gashuun sukhait	Ukhaa khudag	9.2	10.2	24.2	0.71	6806	7.0	84.0
		Weak coking	Shivee khuren	MAK	10.2	10.4	36.7	0.95	6430	6.5	82.0
		Non coking	Gashuun sukhait	Ukhaa khudag	5.5	17.6	22.9	0.91	6713	1.0	10.8
				Dalan	7.5	17.0	40.5	1.44	5776	0.0	0.0
Coking and half coking coal		27,04-0010	Gashuun sukhait	Coke	0.1	18.2	3.2	0.63	5,656.1	0.0	0.0

Source: Central Laboratory of Mining and Petroleum, MRPAM

5 | PETROLEUM

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



5.2. PETROLEUM PRODUCTION AND EXPORT, by barrel, month and 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-XII	6,876,021	100%	6,546,397	100%
2019.I	586,738	8.5%	533,836	8.2%
2019.II	515,318	7.5%	477,824	7.3%
2019.III	569,607	8.3%	609,104	9.3%
2019.IV	549,452	8.0%	484,692	7.4%
2019.V	565,179	8.2%	521,782	8.0%
2019.VI	575,604	8.4%	549,609	8.4%
2019.VII	601,686	8.8%	548,598	8.4%
2019.VIII	591,120	8.6%	564,567	8.6%
2019.IX	570,272	8.3%	551,501	8.4%
2019.X	613,111	8.9%	619,007	9.5%
2019.XI	579,918	8.4%	539,024	8.2%
2019.XII	558,016	8.1%	546,852	8.4%
2019.XII 2018.XII	91.3%	-	104.8%	-
2019.I-XII 2018.I-XII	107.6%	-	105.8%	-

Source: Petroleum Exploitation Division, MRPAM

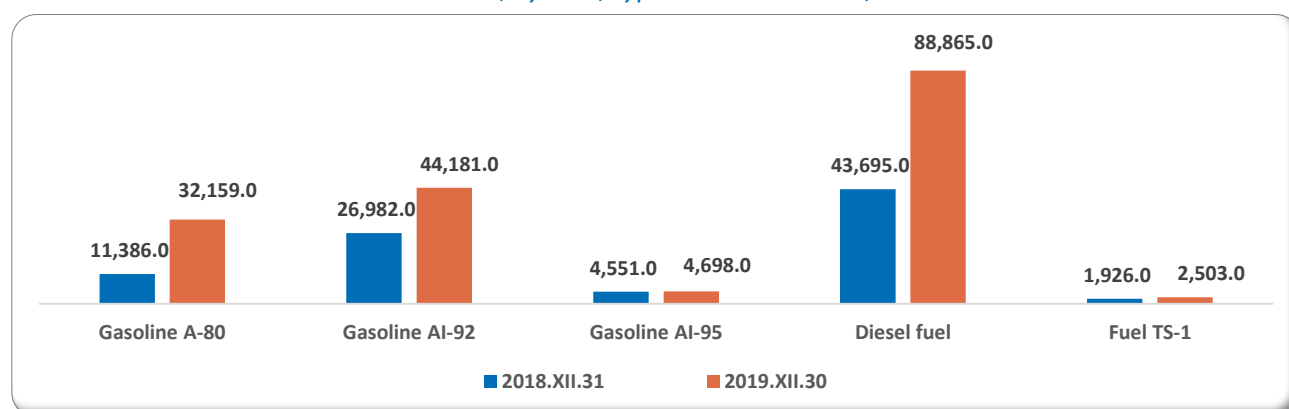
5.3. PETROLEUM PRODUCTS IMPORTING, by tons, type, months and 2018-2019

	TOTAL	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique- fied gas	Other
2019.I-XII	2,108,446	70,555	509,424	25,845	1,139	1,169,265	51,848	44,758	235,612
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.IX	168,954	4,394	35,728	1,828	112	88,156	2,267	3,842	32,627
2019.X	187,107	4,228	30,495	2,548	-	97,358	5,894	3,539	43,045
2019.XI	153,815	8,015	34,125	1,648	115	91,733	1,678	3,072	13,429
2019.XII	194,422	7,309	61,813	2,424	63	93,724	3,285	3,470	22,334
2019.XII 2018.XII	118.1%	156.6%	151.7%	108.5%	15.2%	100.6%	54.5%	76.9%	172.6%
2019.I-XII 2018.I-XII	112.7%	98.5%	127.1%	124.1%	73.9%	122.6%	78.7%	113.3%	74.3%

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

	БҮГД	Russia	China	Republic of Korea	Other countries
TOTAL	194,422	178,001	15,009	668	743
Gasoline A-80	7,309	7,309	-	-	-
Gasoline AI-92	61,813	51,880	9,933	-	-
Gasoline AI-95	2,424	2,424	-	-	-
Gasoline AI-98	63	63	-	-	-
Diesel fuel	93,724	92,468	1,256	-	-
Fuel TS-1	3,285	3,285	-	-	-
Lique- fied gas	3,470	3,406	-	64	-
Other	22,334	17,166	3,820	604	743

5.5. RESIDUE OF PETROLEUM PRODUCTS, by tons, type and 2018.XII.31, 2019.XII.30



Source: Petroleum Products Division, MRPAM

5.6. THE WORLD AVERAGE PRICE OF PETROLEUM PRODUCTS ARE SELLING RETAIL SALE, by US\$/tons and 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
2019.IX.02	427.92	446.84	424.23	383.93
2019.IX.10	423.23	478.75	416.92	390.84
2019.IX.17	484.02	518.56	403.77	415.63
2019.IX.24	455.85	481.79	444.33	412.50
2019.X.01	424.80	453.60	411.81	396.29
2019.X.08	414.11	446.00	393.17	385.16
2019.X.15	417.77	450.94	407.42	397.23
2019.X.22	417.38	447.75	398.65	398.69
2019.X.29	432.75	462.87	427.52	413.88
2019.XI.05	440.32	471.38	425.69	421.88
2019.XI.12	442.20	472.44	439.21	419.62
2019.XI.19	444.22	474.42	437.02	430.82
2019.XI.25	452.26	474.95	437.75	434.46
2019.XII.03	437.75	462.87	412.90	429.37
2019.XII.10	459.36	488.17	437.02	444.92
2019.XII.17	469.35	496.45	422.77	454.96
2019.XII.24	472.78	497.06	435.56	461.43
2019.XII.30	481.60	508.61	436.65	479.89
2019.XII.30	106.5%	107.1%	99.7%	110.5%
2019.XI.25				
2019.XII.25	136.2%	125.8%	120.0%	146.2%
2018.XII.28				

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

5.7.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, provinces and 2019.XI.25, 2019.XII.30

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2019. XI.25	2019. XII.30	<u>2019.XII.30</u> 2019.XI.25	2019. XI.25	2019. XII.30	<u>2019.XII.30</u> 2019.XI.25	2019. XI.25	2019. XII.30	<u>2019.XII.30</u> 2019.XI.25	2019. XI.25	2019. XII.30	<u>2019.XII.30</u> 2019.XI.25
NATIONAL AVERAGE PRICE	1847	1847	100.0%	1925	1925	100.0%	2260	2260	100.0%	2526	2524	99.9%
Western region	1920	1920	100.0%	2006	2006	100.0%	-	-	-	2494	2494	100.0%
Bayan-Ulgii	1840	1840	100.0%	1930	1930	100.0%	-	-	-	2290	2290	100.0%
Govi-Altai	1850	1850	100.0%	1910	1910	100.0%	-	-	-	2550	2550	100.0%
Zavkhan	2000	2000	100.0%	2120	2120	100.0%	-	-	-	2640	2640	100.0%
Uvs	1900	1900	100.0%	1980	1980	100.0%	-	-	-	2490	2490	100.0%
Hovd	2010	2010	100.0%	2090	2090	100.0%	-	-	-	2500	2500	100.0%
Hangai region	1799	1799	100.0%	1879	1879	100.0%	2242	2242	100.0%	2520	2520	100.0%
Arkhangai	1820	1820	100.0%	1890	1890	100.0%	2250	2250	100.0%	2550	2550	100.0%
Bayankhongor	1860	1860	100.0%	1900	1900	100.0%	-	-	-	2580	2580	100.0%
Bulgan	1750	1750	100.0%	1855	1855	100.0%	2240	2240	100.0%	2480	2480	100.0%
Uvurkhangai	1820	1820	100.0%	1890	1890	100.0%	2250	2250	100.0%	2550	2550	100.0%
Orkhon	1750	1750	100.0%	1840	1840	100.0%	2240	2240	100.0%	2470	2470	100.0%
Selenge	1740	1740	100.0%	1840	1840	100.0%	2240	2240	100.0%	2470	2470	100.0%
Khuvsgul	1850	1850	100.0%	1940	1940	100.0%	2230	2230	100.0%	2540	2540	100.0%
Central region	1791	1791	100.0%	1881	1881	100.0%	2258	2258	100.0%	2516	2509	99.7%
Ulaanbaatar	1730	1730	100.0%	1835	1835	100.0%	2240	2240	100.0%	2470	2460	99.6%
Tuv	1740	1740	100.0%	1780	1780	100.0%	2240	2240	100.0%	2410	2410	100.0%
Darkhan	1750	1750	100.0%	1840	1840	100.0%	2240	2240	100.0%	2470	2470	100.0%
Govisumber	1830	1830	100.0%	1890	1890	100.0%	2280	2280	100.0%	2580	2530	98.1%
Dundgovi	1810	1810	100.0%	1920	1920	100.0%	2250	2250	100.0%	2490	2490	100.0%
Dornogovi	1810	1810	100.0%	1910	1910	100.0%	2270	2270	100.0%	2560	2560	100.0%
Umnugovi	1850	1850	100.0%	1960	1960	100.0%	2270	2270	100.0%	2590	2590	100.0%
Zamin Uud	1810	1810	100.0%	1910	1910	100.0%	2270	2270	100.0%	2560	2560	100.0%
Eastern region	1877	1877	100.0%	1933	1933	100.0%	2280	2280	100.0%	2573	2573	100.0%
Dornod	1880	1880	100.0%	1940	1940	100.0%	2250	2250	100.0%	2570	2570	100.0%
Sukhbaatar	1880	1880	100.0%	1950	1950	100.0%	2320	2320	100.0%	2580	2580	100.0%
Khentii	1870	1870	100.0%	1910	1910	100.0%	2270	2270	100.0%	2570	2570	100.0%

Source: Petroleum Products Division, MRPAM

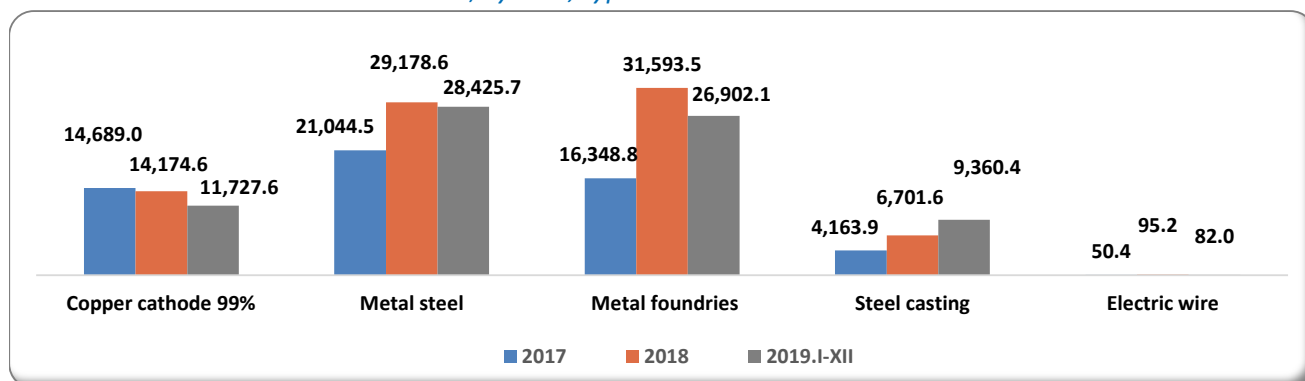
5.8. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type, and end of month 2017-2019

	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.IX.24	1844	1920	2260	2426
2019.X.29	1847	1920	2260	2425
2019.XI.25	1847	1925	2260	2526
2019.XII.30	1847	1925	2260	2524
2019.XII.30	100.0%	100.0%	100.0%	99.9%
2019.XI.25				
2019.XII.30	98.3%	100.1%	97.5%	103.0%
2018.XII.31				
2019.XII.30	118.2%	113.0%	121.3%	140.7%
2017.XII.26				

Source: Petroleum Products Division, MRPAM

6 | HEAVY INDUSTRY

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

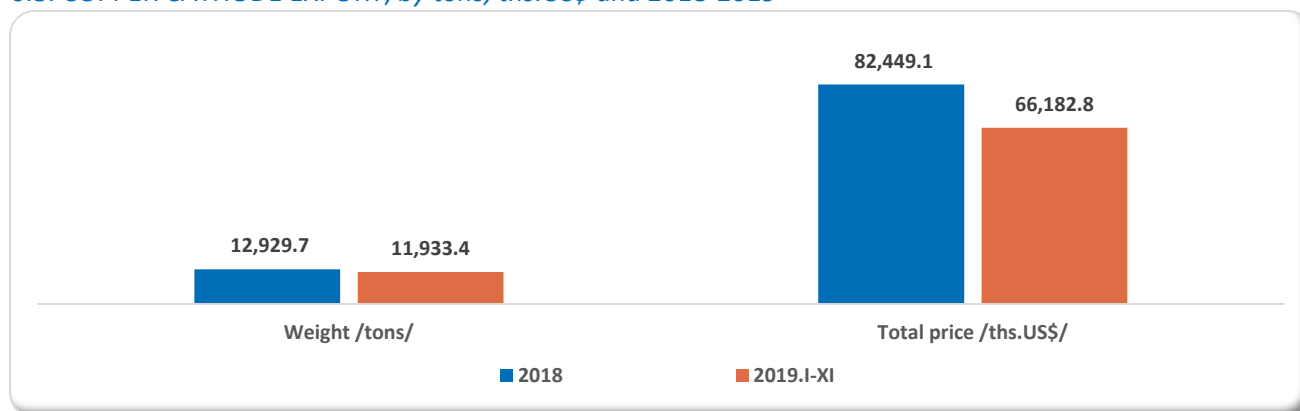


6.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and months 2018-2019

	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-XII	11,727.6	28,425.7	26,902.1	9,360.4	82.0
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.IX	743.7	1,695.9	3,312.2	1,092.5	7.0
2019.X	933.7	2,126.0	-	978.9	13.4
2019.XI	912.3	2,116.4	-	942.1	4.7
2019.XII	931.3	2,431.3	3,315.4	835.5	0.8
2019.XII	79.1%	71.0%	152.9%	199.4%	5.3%
2019.I-XII	82.7%	97.4%	85.2%	139.7%	86.1%

Source: Heavy Industry and Technology Division, MRPAM

6.3. COPPER CATHODE EXPORT, by tons, ths.US\$ and 2018-2019



6.4. COPPER CATHODE EXPORT, by tons, ths US\$, month and 2018-2019

	Weight		Total price	
	Tons	Percent	Ths.US\$	Percent
2018	12,929.7	100%	82,449.1	100%
2018.I	1,161.4	9.0%	7,932.0	9.6%
2018.II	1,160.3	9.0%	7,912.1	9.6%
2018.III	1,160.1	9.0%	7,727.4	9.4%
2018.IV	1,161.1	9.0%	7,737.9	9.4%
2018.V	1,160.8	9.0%	7,679.3	9.3%
2018.VI	1,160.6	9.0%	7,765.4	9.4%
2018.VII	760.4	5.9%	4,791.3	5.8%
2018.VIII	1,361.0	10.5%	8,041.6	9.8%
2018.IX	960.9	7.4%	5,581.0	6.8%
2018.X	961.1	7.4%	5,758.9	7.0%
2018.XI	961.2	7.4%	5,783.2	7.0%
2018.XII	960.8	7.4%	5,739.0	7.0%
2019.I-XII	11,933.4	100%	66,182.8	100%
2019.I	760.0	6.4%	4,381.0	6.6%
2019.II	761.0	6.4%	4,518.5	6.8%
2019.III	760.8	6.4%	4,769.4	7.2%
2019.IV	760.5	6.4%	4,779.7	7.2%
2019.V	760.7	6.4%	4,564.4	6.9%
2019.VI	761.0	6.4%	4,312.7	6.5%
2019.VII	560.7	4.7%	530.8	0.8%
2019.VIII	1,161.7	9.7%	6,450.5	9.7%
2019.IX	1,161.2	9.7%	6,395.5	9.7%
2019.X	1,161.2	9.7%	6,397.5	9.7%
2019.XI	1,362.0	11.4%	7,714.2	11.7%
2019.XII	1,962.6	16.4%	11,368.6	17.2%
2019.XI 2018.XI	204.3%	-	198.1%	-
2019.I-XI 2018.I-XI	92.3%	-	80.3%	-

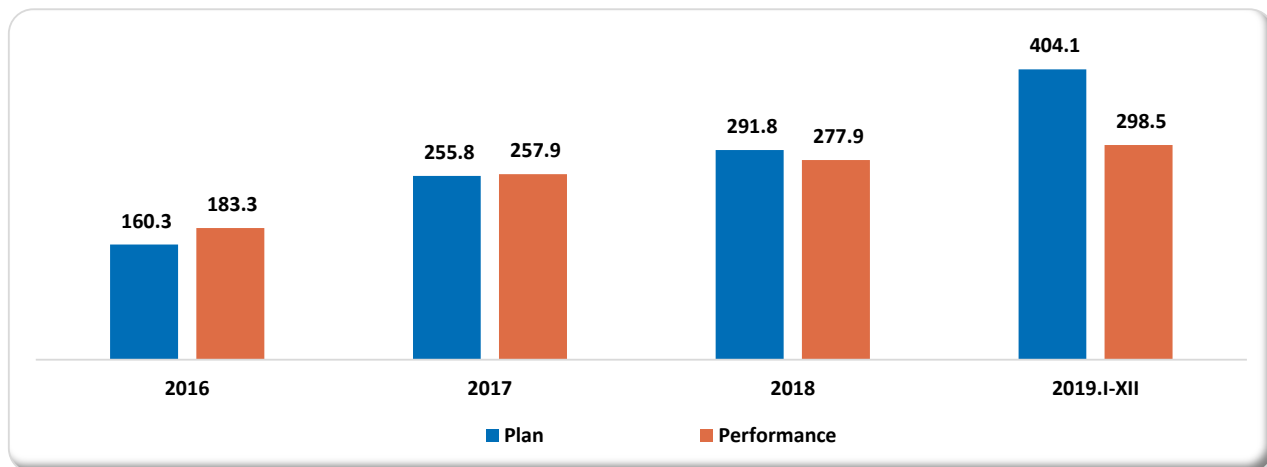
Source: Heavy Industry and Technology Division, MRPAM

7 | STATE BUDGET REVENUE

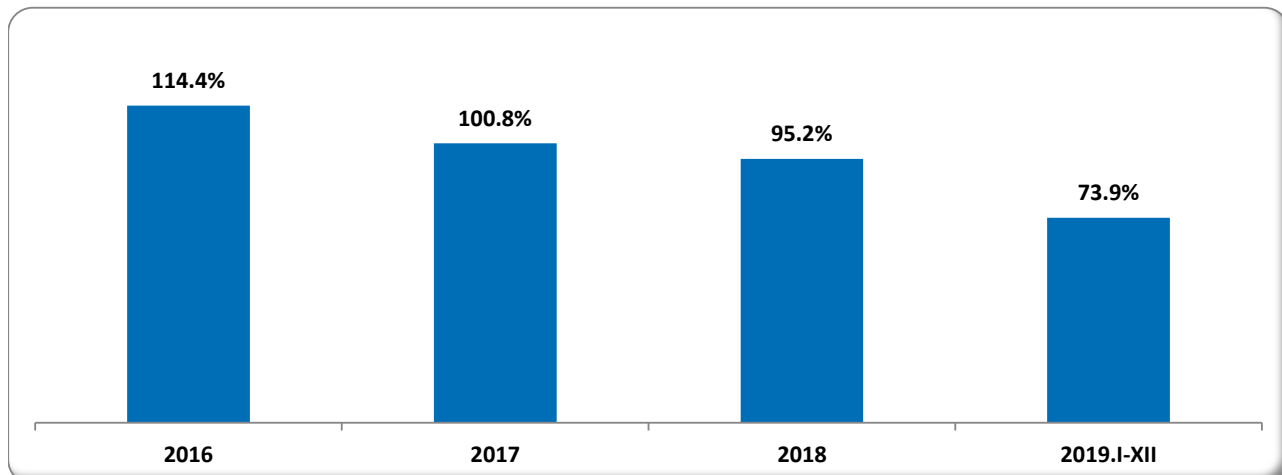
7.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by million.MNT, income type and 2019

	Plan of 2019	2019.I-XI		2019.I-XII	
		Performance	Performance rate	Performance	Performance rate
TOTAL	404,050.0	251,910.5	62.3%	298,469.8	73.9%
License fee	42,900.0	35,020.8	81.6%	36,910.7	86.0%
Reimbursement	2,300.0	4,611.5	200.5%	5,532.2	240.5%
Petroleum export revenue	335,600.0	192,668.3	57.4%	232,267.1	69.2%
Other revenue	12,000.0	4,153.2	34.6%	4,275.7	35.6%
Tender revenue	11,250.0	15,456.7	137.4%	19,484.1	173.2%

7.2. BUDGET REVENUE OF MRPAM, by billion MNT and 2016-2019



7.3. BUDGET PERFORMANCE RATE OF MRPAM, by 2016-2019



Source: Public Administration and Management Division, MRPAM



This bulletin is updated monthly and published on the Mineral Resources and Petroleum Authority's website www.mrpam.gov.mn



Monitoring, Evaluation and Statistics Division of Mineral Resources and Petroleum Authority

Address:

Government building 12, Barilgachdyn talbai 3,
Chingeltei district, Ulaanbaatar 15170, Mongolia

Fax: 11-310370

Tel: 70181308

E-mail: info@mrpam.gov.mn

Web: www.mrpam.gov.mn