



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2020/01



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Valid mining and exploration licenses **2,782** (2020.I.31)

Valid licensed area size **7.3** mln.ha (2020.I.31)

Percent of total licensed area in Mongolia's territory **4.7%** (2020.I.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 **1,560.7** US\$/ounce (2020.I)

Average price of copper on the world market **6,048.7** US\$/tons (2020.I)

Average price of thermal coal on the world market **34.1** US\$/tons (2020.I)

Average price of coking coal on the world market **121.2** US\$/tons (2020.I)

Coal production **3,583.0** thousand tons (2020.I)

Coal sale **2,908.1** thousand tons (2020.I)

Coal export **2,034.7** thousand tons (2020.I)

Petroleum production **371,163** barrel (2020.I)

Petroleum export **287,706** barrel (2020.)

Petroleum import **196,696** tons (2020.I)

Average price of gasoline A-80 **1,847** MNT (2020.I.28)

Average price of gasoline AI-92 **1,925** MNT (2020.I.28)

Average price of gasoline AI-95 **2,260** MNT (2020.I.28)

Average price of diesel fuel **2,524** MNT (2020.I.28)

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)

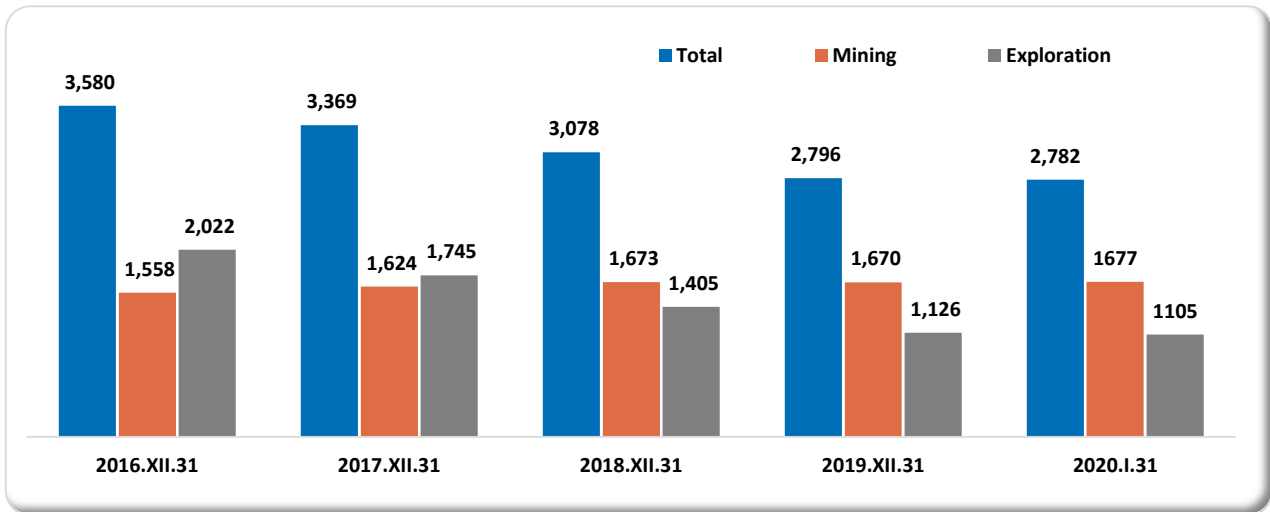
Budget revenue of MRPAM **3,177.4** mln.MNT (2020.I)

1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces and 2020.1.31

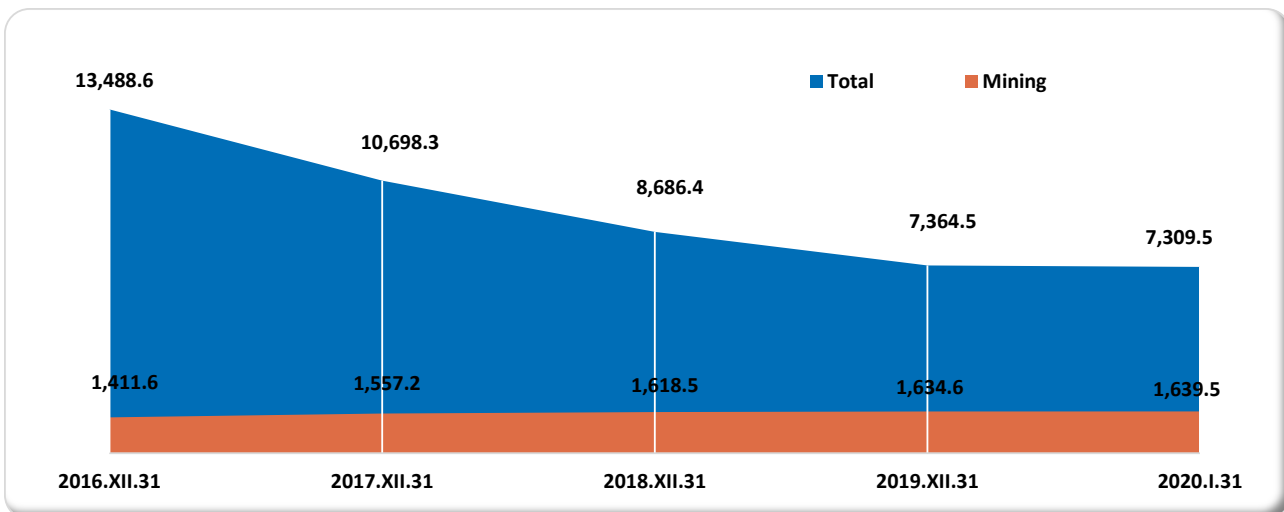
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2,782	7,309.5	4.7%	1,677	1,639.5	1.0%	1,105	5,670.1	3.7%
Arkhangai	21	60.6	1.1%	15	6.2	0.1%	6	54.4	1.0%
Bayan-Ulgii	60	179.9	3.9%	28	15.4	0.3%	32	164.5	3.6%
Bayankhongor	147	355.5	3.1%	93	124.3	1.1%	54	231.2	2.0%
Bulgan	109	131.7	2.7%	74	35.7	0.7%	35	95.9	2.0%
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	68	12.7	3.9%	62	7.6	2.3%	6	5.1	1.6%
Dornogovi	345	1,261.5	11.5%	189	235.8	2.2%	156	1,025.8	9.4%
Dornod	154	514.1	4.2%	73	63.0	0.5%	81	451.1	3.7%
Dundgovi	203	700.3	9.4%	106	182.6	2.4%	97	517.7	6.9%
Zavhan	52	263.8	3.2%	9	14.1	0.2%	43	249.8	3.0%
Umnugovi	177	1,109.7	6.7%	93	448.4	2.7%	84	661.3	4.0%
Orkhon	9	11.1	13.2%	9	11.1	13.2%	0	0.0	0.0%
Sukhbaatar	94	294.2	3.6%	67	59.8	0.7%	27	234.4	2.8%
Selenge	180	97.6	2.4%	141	42.9	1.0%	39	54.7	1.3%
Tuv	397	371.8	5.0%	300	153.8	2.1%	97	218.0	2.9%
Uvs	130	424.3	6.1%	49	21.4	0.3%	81	402.9	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	102	261.7	3.4%	35	14.0	0.2%	67	247.7	3.3%
Khentii	216	339.1	4.2%	120	52.0	0.6%	96	287.1	3.6%

Source: Cadastre Division, MRPAM

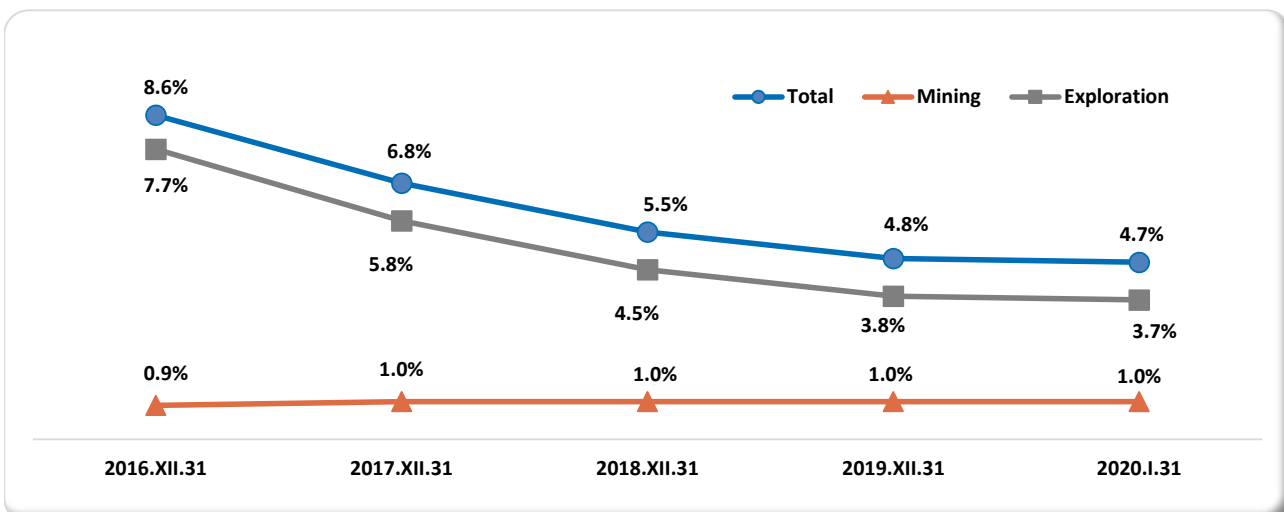
1.2. COUNT OF TOTAL VALID LICENSES, by 2016-2020



1.3. LICENSED AREA, by thousands.ha and 2016-2020



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, by 2016-2020



Source: Cadastre Division, MRPAM

1.5. COUNT OF MINING LICENSE, by type of minerals and 2020.1.31

	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1677	100%	1,639,459.4	100%
Gold (placer)	534	31.8%	236,815.0	14.4%
Coal	300	17.9%	794,154.0	48.4%
Fluorite	188	11.2%	29,857.5	1.8%
limestone	77	4.6%	43,868.4	2.7%
Iron	70	4.2%	41,721.9	2.5%
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	1.6%
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%
Copper, molybdenum	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	117	7.0%	92,016.1	5.6%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha, overlap and 2020.1.31

	Hectare	Percent of total territory
Valid mining licensed area	1.6	1.0%
Valid exploration licensed area	5.7	3.7%
State protected area	32.9	21.0%
Special purpose area	32.0	20.5%
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 2020.1.31

	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 2020.1.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1766	2782	7,309,515.5	100%
Mongolian entities	1407	2196	5,400,267.5	73.9%
100% foreign entities	255	422	1,515,359.2	20.7%
Joint foreign entities	104	164	393,888.8	5.4%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, by countries and 2020.1.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	255	422	1,515,359.2	100%
China	134	171	373,075.4	24.62%
Virgin Islands	33	62	143,500.3	9.47%
Hong Kong	16	30	141,786.3	9.36%
Singapore	16	58	342,810.4	22.62%
Canada	12	26	257,598.0	17.00%
South Korea	10	15	34,093.7	2.25%
Australia	5	5	26,641.3	1.76%
Russia	3	3	134.6	0.01%
Holland	3	15	106,872.3	7.05%
Great Britain	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 2020.I.31*

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	104	164	393,888.8	100%
Mongolia, China	50	76	113,303.3	28.8%
Mongolia, South Korea	10	17	44,048.4	11.2%
Mongolia, Russia	8	10	1,382.3	0.4%
Mongolia, Virgin Islands	6	10	35,233.8	8.9%
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	7.7%
Mongolia, Czech Republic	3	6	52,377.8	13.3%
Mongolia, Great Britain	2	2	5,135.2	1.3%
Mongolia, Hong Kong, Japan	1	3	43,809.3	11.1%
Mongolia, Kazakhstan	1	1	1,789.4	0.5%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	1.0%
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 2020.1.31

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	222	100%	245,441.5	100%
Trade and Development Bank	31	14.0%	16,718.8	6.8%
Golomt Bank	26	11.7%	25,956.3	10.6%
Development Bank of Mongolia	25	11.3%	16,818.6	6.9%
HAAN Bank	15	6.8%	2,891.8	1.2%
Ulaanbaatar City Bank	11	5.0%	8,973.2	3.7%
Golomt, Saving, Zoos, Anod Banks	11	5.0%	80,891.6	33.0%
XAC Bank	10	4.5%	2,555.0	1.0%
Capital Bank	9	4.1%	1,098.2	0.4%
Anod Bank	8	3.6%	7,329.7	3.0%
Chinggis Khan Bank	7	3.2%	3,201.9	1.3%
European Bank for Reconstruction and Development	7	3.2%	2,658.5	1.1%
Capitronbank	5	2.3%	1,431.0	0.6%
State Bank	4	1.8%	570.6	0.2%
Transport Development bank	3	1.4%	1,670.1	0.7%
Bogd bank	3	1.4%	154.0	0.1%
Saving bank	3	1.4%	10,911.8	4.4%
Export-Import Bank of China	3	1.4%	1,092.0	0.4%
National Investment Bank	3	1.4%	1,087.5	0.4%
Triple flag mining finance Bermuda Ltd	3	1.4%	13,017.0	5.3%
Bank of China	4	1.8%	978.2	0.4%
Credit bank	2	0.9%	222.6	0.1%
Khutult nomgon	2	0.9%	253.4	0.1%
Erel bank	2	0.9%	150.3	0.1%
First lithium Corporation	2	0.9%	17,131.1	7.0%
World Gold	2	0.9%	2,194.9	0.9%
GSB capital NBFi	2	0.9%	9,271.1	3.8%
Other	19	8.6%	16,212.2	6.6%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, by 2020.1.31

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
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 2020.1.31

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 2016-2020

	2016	2017	2018	2019	2020.I
TOTAL	613	813	1187	698	27
New license	131	288	226	218	7
Mining	103	65	78	73	7
Exploration	0	0	0	0	0
Tender	28	223	148	145	0
Extension of exploration license	173	231	657	273	8
Transfer	139	153	157	72	5
Mining	49	78	25	24	3
Exploration	90	75	132	48	2
Pledge	33	37	61	25	3
Mining	30	32	58	24	3
Exploration	3	5	3	1	0
Surrender	137	104	86	110	4
Mining	26	14	12	12	1
Exploration	111	90	74	98	3

1.15. CHANGES IN LICENSE REGISTRATION, by license type and 2016-2020

	2016	2017	2018	2019	2020.I
New license	750	151	85	130	6
Mining	93	77	61	59	6
Exploration	629	41	5	0	0
Tender	28	33	19	71	0
Surrendered	166	97	91	93	13
Mining	25	13	11	11	2
Exploration	141	84	80	82	11
Canceled	241	237	181	189	9
Mining	37	35	33	70	3
Exploration	204	202	148	119	6
Expired	124	176	209	199	18
Transferred	146	136	172	71	3
Mining	50	62	38	24	0
Exploration	96	74	134	47	3
Extended	167	162	566	300	5
Pledged	29	39	56	24	24
Mining	27	34	53	23	4
Exploration	2	5	3	0	0
Terminated pledges	16	39	27	31	5
Mining	12	38	26	30	5
Exploration	4	1	1	1	0
Re-issue of license documents	35	26	40	27	3
Mining	15	19	13	14	2
Exploration	20	7	27	13	1

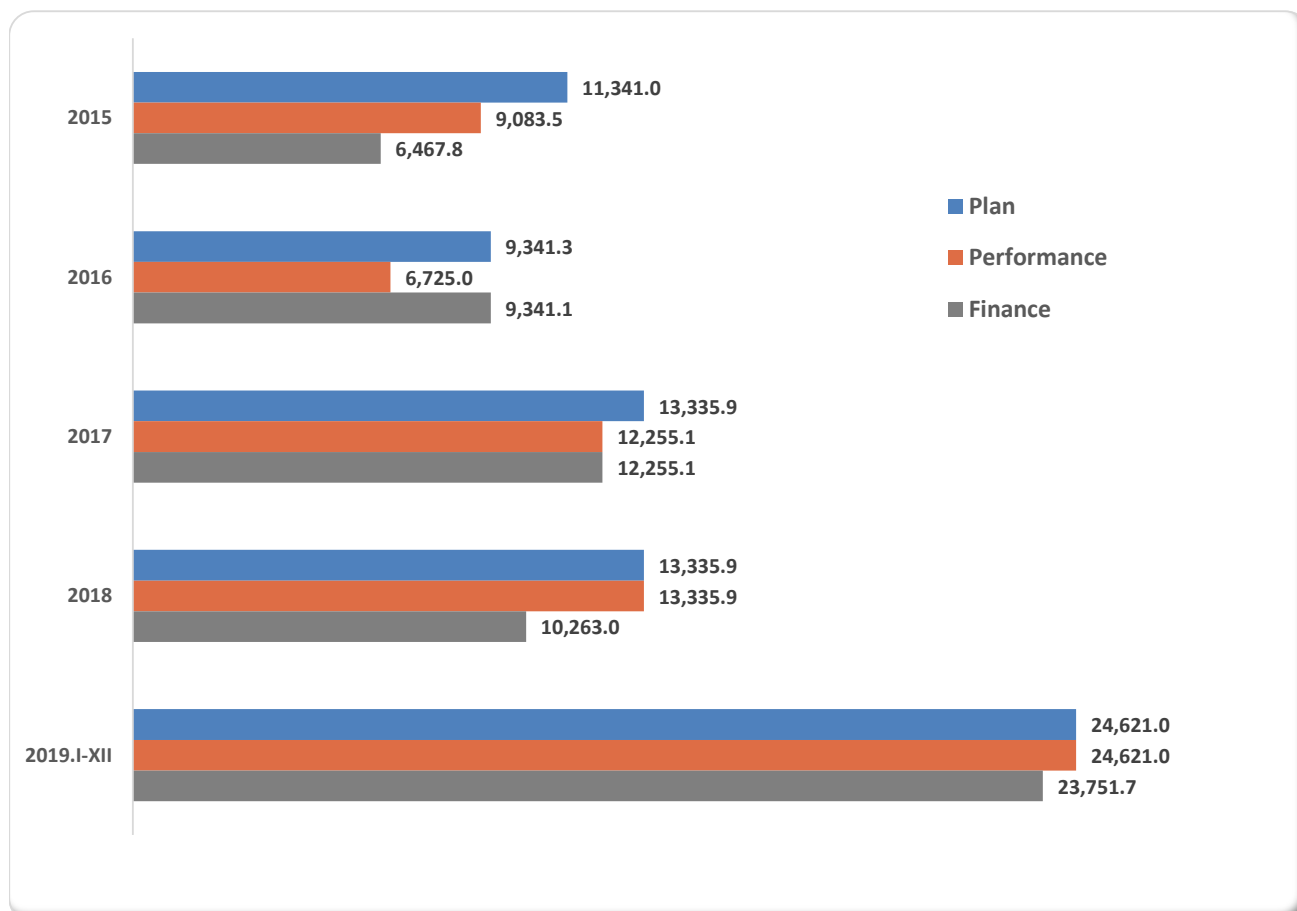
Source: Cadastre Division, MRPAM

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*



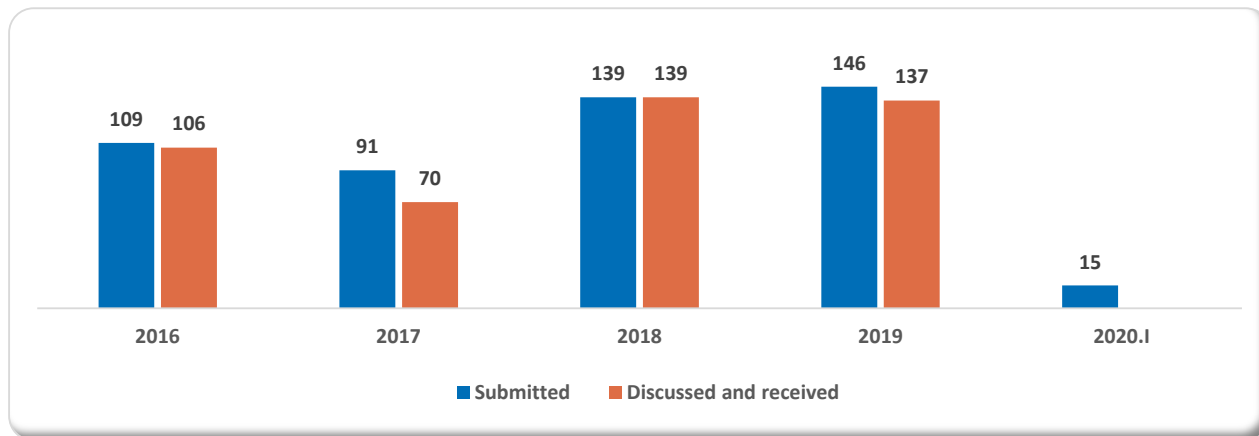
Source: Geology and Exploration Division, MRPAM

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 2016-2020



2.5. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, by 20120.I

	Deposit	Resource		
		Unit	Ore	Metal
Gold (rock)	1	ths.t/kg	7,896.3	10,006.0
Silver		t	-	75.3
Blue lead		t	-	29.3
Zinc		ths.t	-	37.8
Gold (placer)	1	kg	79.6	69.0
Fluorspar	1	ths.t	182.6	129.6
Coal	1	mln.t	194.3	

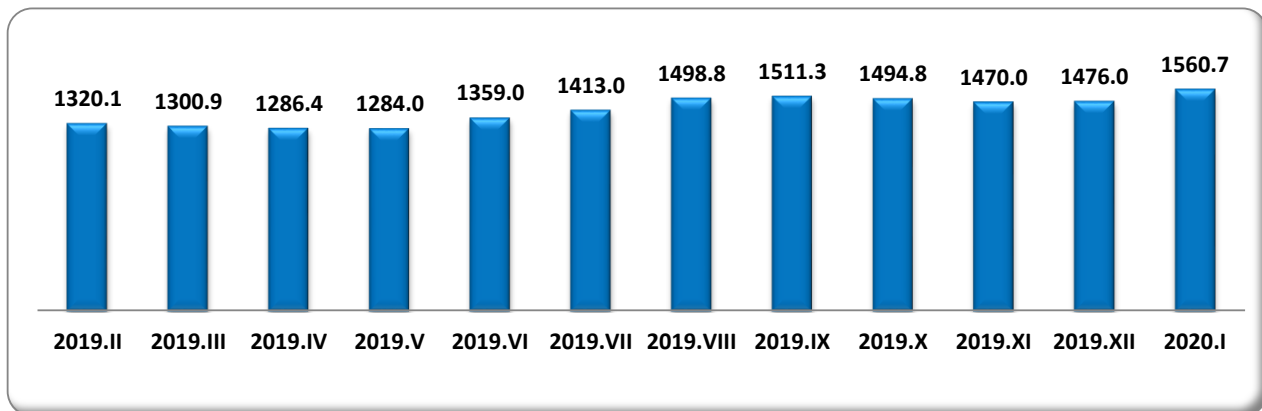
Source: Geology and Exploration Division, MRPAM

3 | MINING

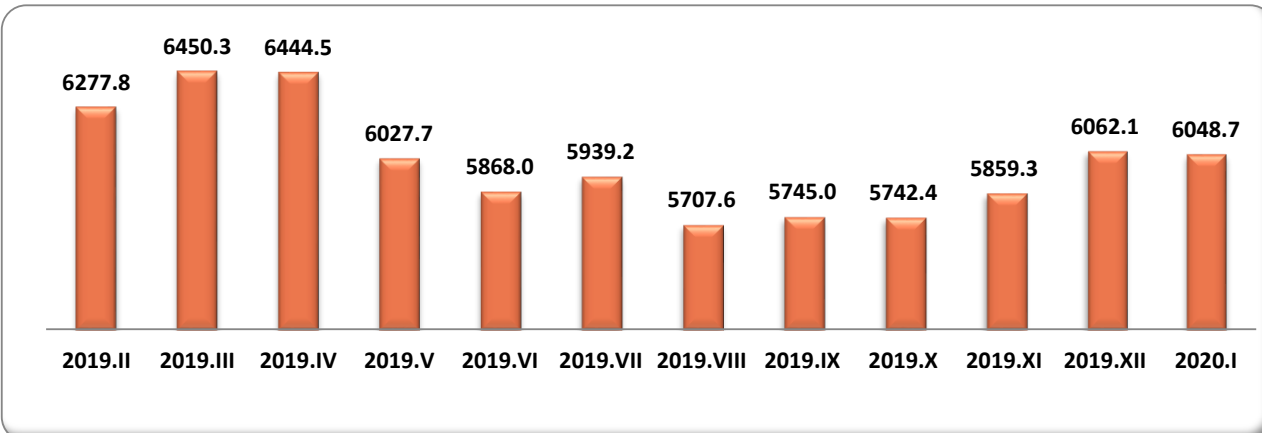
3.1. AVERAGE OF COMMODITY PRICES ON THE WORLD MARKET, by 2019-2020

	Unit	2019.I	2019	2019.XII	2020.I	$\frac{2020.I}{2019.I}$	$\frac{2020.I}{2019.XII}$
Gold	\$/ounce	1,291.8	1,392.2	1,476.0	1,560.7	120.8%	105.7%
Silver	\$/ounce	15.6	16.2	17.1	18.0	115.2%	105.0%
Copper	\$/tons	5,931.6	6,004.6	6,062.1	6,048.7	102.0%	99.8%
Zinc	\$/tons	2,558.5	2,548.6	2,273.4	2,356.6	92.1%	103.7%
Blue lead	\$/tons	1,993.7	1,993.7	1,898.7	1,924.7	96.5%	101.4%
Tin	\$/tons	20,471.0	18,660.5	17,082.5	17,061.7	83.3%	99.9%
Molybdenum	\$/tons	25,000.0	23,755.9	20,296.8	21,786.7	87.1%	107.3%
Tungsten, 99%	\$/tons	37,270.0	33,953.3	32,830.0	32,900.0	88.3%	100.2%
Tungsten, 65%	\$/tons	14,180.6	12,787.3	12,193.5	12,568.2	88.6%	103.1%
Iron ore 56%	\$/tons	47.6	67.2	67.0	71.1	149.2%	106.2%
Iron ore 60% concentrate	\$/tons	67.3	82.7	79.0	83.6	124.3%	105.8%
Fluorite concentrate AG-97	\$/tons	552.0	448.3	415.0	415.0	75.2%	100.0%
Fluorite ore MG-85	\$/tons	380.0	320.2	300.0	300.0	78.9%	100.0%
Uranium	\$/kg	63.7	56.5	55.0	54.3	85.2%	98.8%

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

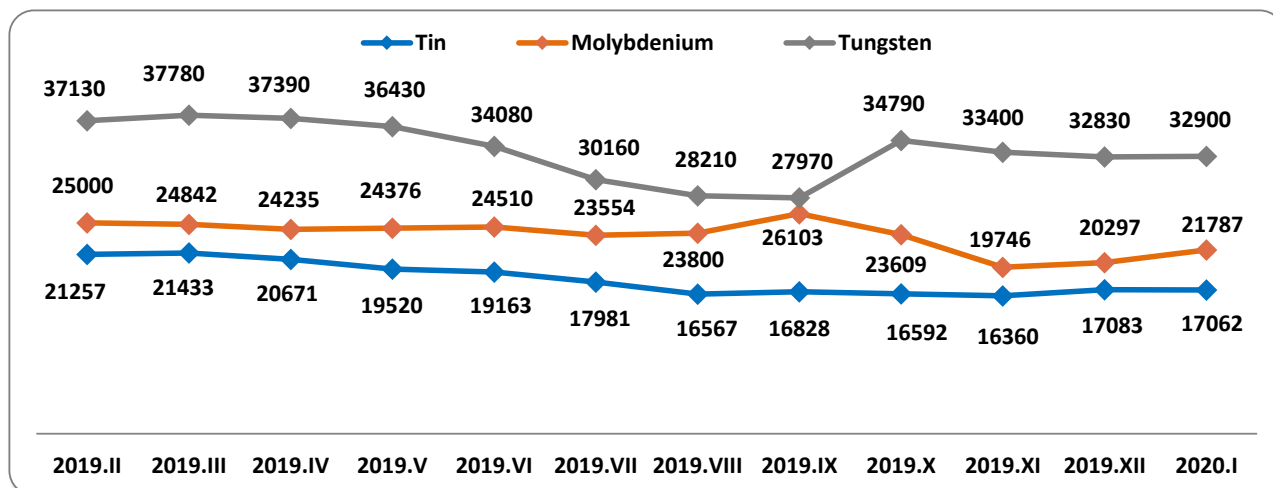


3.3. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

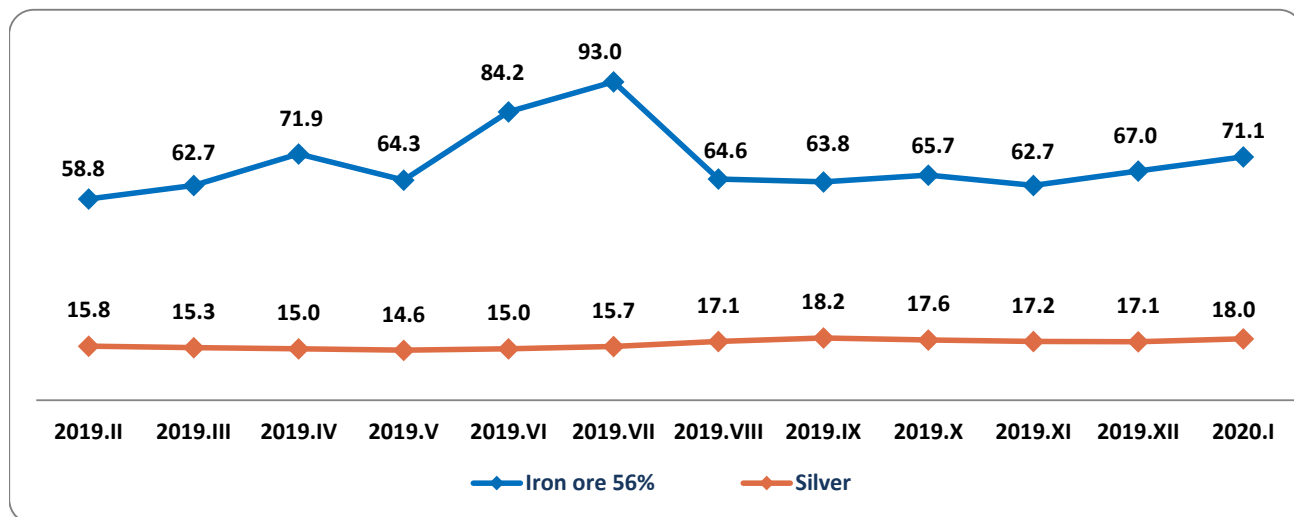


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

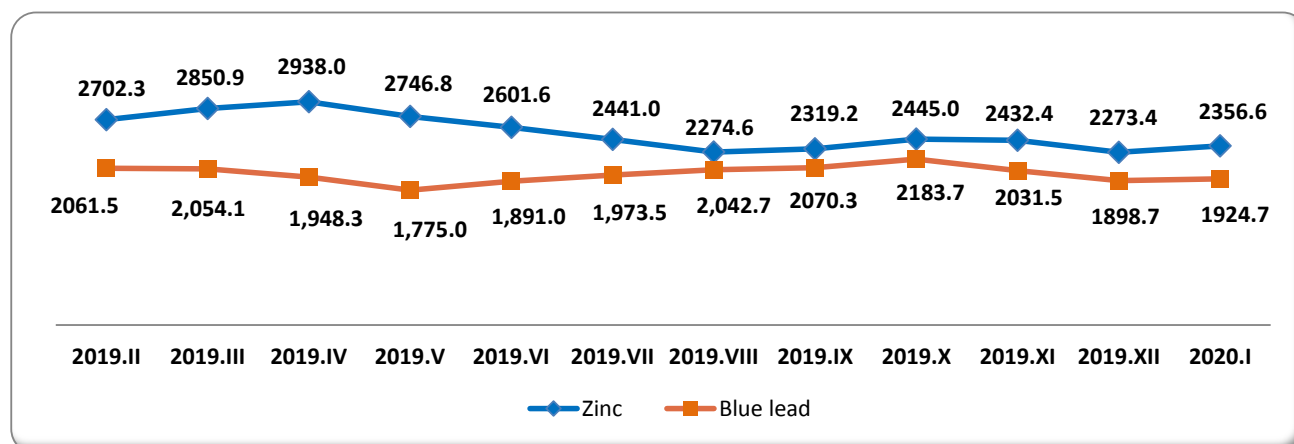
3.4. AVERAGE PRICE OF TIN, MOLYBDENIUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons and last 12 months



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 2019-2020

	Stock exchange	Symbol	Currency	Price						Market value /2020 II.11/
				2019.I	2019	2019.XII	2020.I	2020.I 2019.I	2020.I 2019.XII	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	1.614	1.036	0.639	0.678	42.0%	106.1%	1.35B
Peabody Energy Corporation	NYQ	BTU	USD	33.216	22.07	9.476	8.39	25.3%	88.5%	781.18M
Rio Tinto plc	LSE	RIO.L	GBp	3,884.7	4,342.7	4,372.2	4,447.8	114.5%	101.7%	70.81B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.124	0.121	0.078	0.084	67.7%	107.7%	141.09M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.145	0.412	0.695	0.582	401.4%	83.7%	442.55M
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.18	0.949	0.858	0.858	72.7%	100.0%	163.08M
Centerra Gold Inc.	TOR	CG.TO	CAD	6.22	9.131	10.086	9.894	159.1%	98.1%	3.06B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.231	0.207	0.175	0.205	88.7%	117.1%	52.60M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.548	0.407	0.39	0.381	69.5%	97.7%	73.46M
Prophecy Development Corp.	TOR	PCY.TO	CAD	0.266	0.268	0.327	0.368	138.3%	112.5%	31.34M
Steppe Gold Ltd	TOR	STGO.TO	CAD	0.829	0.849	0.915	0.856	103.3%	93.6%	42.06M
Kincora Copper Limited	VAN	KCC.V	CAD	0.109	0.097	0.039	0.048	44.0%	123.1%	5.4M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.01	0.01	-	-	-	-	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.109	0.071	0.033	0.036	33.0%	109.1%	23.33M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.019	0.028	0.13	0.131	689.5%	100.8%	55.84M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	-	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	-	0.09	-	-	-	-	-
Banpu Public Company Limited	SET	BANPU.BK	THB	16.245	13.987	11.695	11.177	68.8%	95.6%	51.25B
Petro Matad Limited	LSE	MATD.L	GBp	3.095	5.301	3.488	3.549	114.7%	101.7%	20.13M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-

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 2019-2020

	Symbol	Price					
		2019.I	2019	2019.XII	2020.I	<u>2020.I</u> 2019.I	<u>2020.I</u> 2019.XII
Tavantolgoi	TTL	7,206	6,772	6,525	6,516	90.4%	99.9%
Baganuur	BAN	1,374	1,146	972	952	69.3%	97.9%
Shivee-Ovoo	SHV	2,080	2,175	2,465	2,478	119.1%	100.5%
Aduunchuluun	ADL	-	1,615	1,331	1,354	-	101.7%
Shariin Gol	SHG	1,795	1,542	1,136	1,117	62.2%	98.3%
Erdene Resource Development Corporation	ERDN	547	502	469	471	86.1%	100.4%
Mogoin gol	BDL	6,400	7,766	8,734	8,278	129.3%	94.8%
Bayanteeg	BTG	-	21,841	24,500	27,500	-	112.2%
Berkh-Uul	BEU	600	574	-	-	-	-
Khar Tarvagatai	TVT	-	7,080	-	5,400	-	-
Taliin Gal	TAL	-	-	-	-	-	-
Mongol Basalt	MBW	270	277	259	259	95.9%	100.0%
Mongol Ceramic	KEK	-	18,587	-	-	-	-
Silikat	SIL	-	76	69	59	-	85.5%
Songolon barmat	SSG	-	-	-	-	-	-
Remicon	RMC	28	28	29	30	107.1%	-
Arig Tal	EER	3,703	3,420	3,271	2,948	79.6%	90.1%
Niislel-Urguu	NUR	6,242	5,377	-	-	-	-
Erchim Bayan-Ulgii	BOE	593	749	-	-	-	-
Khukh Gan	HGN	80	75	83	85	106.3%	102.4%
Nako Tulsh	NKT	110	82	43	-	-	-

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 2015-2020

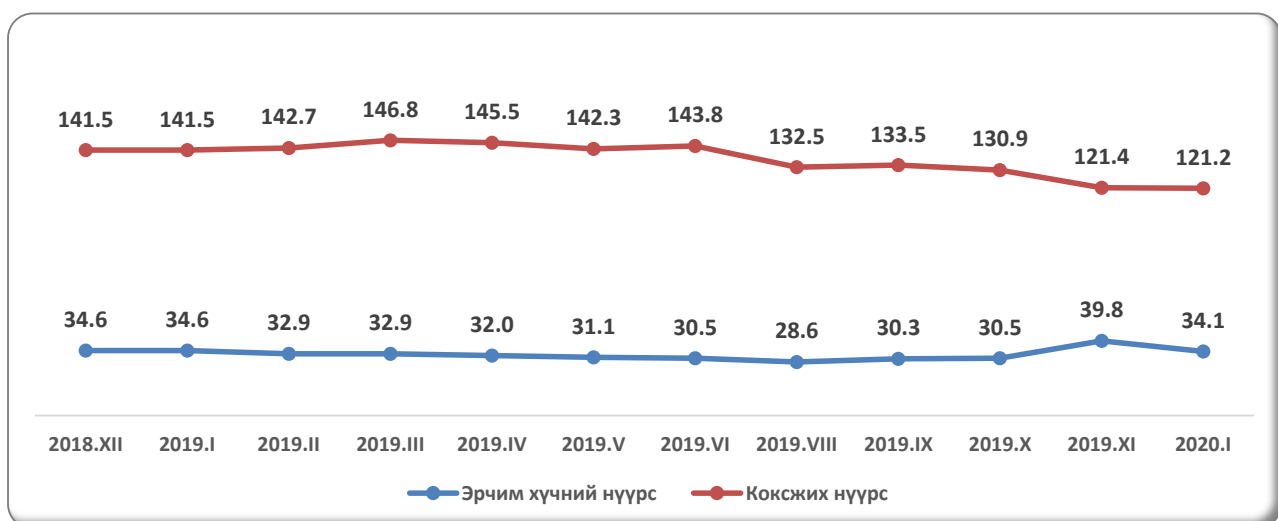
	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2015	92,975.0	23,979.0	22,125.0	14,468.0
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019	292,181.7	57,128.8	47,047.8	36,809.1
2020.I	13,846.8	3,583.0	2,908.1	2,034.7

4.2. COAL SALE, by ths.tons, type and 2020.I

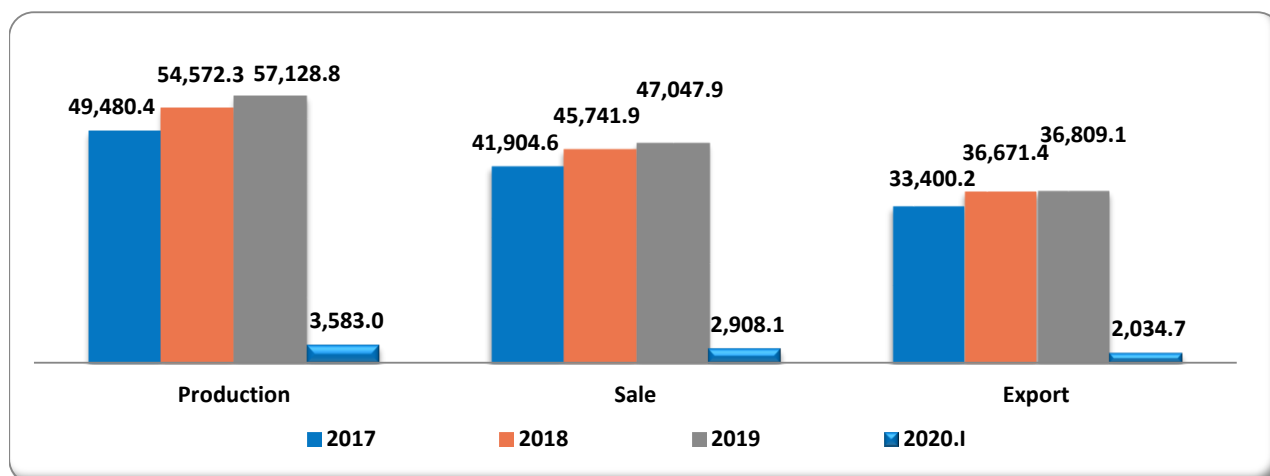
	TOTAL	Export	Local
БҮГД	2,908.1	2,034.7	873.4
Washed coking coal	559.8	559.8	-
Raw coking coal	656.1	656.1	-
Weak coking coal	493.6	493.6	-
Thermal coal	325.2	325.2	-
Brown coal	873.4	-	873.4

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- 20204.5. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons, month* and 2018-2020

	Production	Sale	Export
2018	54,572.3	45,741.9	36,671.4
2019	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
2020.I	3,583.0	2,908.1	2,034.7
2020.I	3,583.0	2,908.1	2,034.7
<u>2020.I</u> <u>2019.I</u>	81.3%	67.1%	62.7%
<u>2020.I</u> <u>2018.I</u>	93.3%	67.4%	63.4%

Source: Coal Research Division, MRPAM

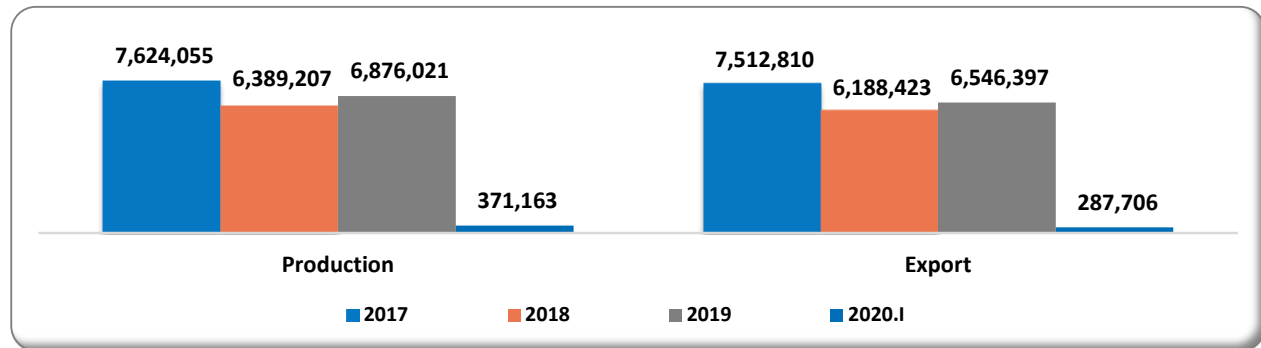
4.6. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, by 2020./

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	2.6	7.6	7.6	0.39	7610	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	2.9	20.4	26.2	1.10	6279	7.0	80.3
				Tavan tolgoi 4th orifice	2.8	15.1	28.4	1.25	6772	6.0	82.5
			Weak coking	Gashuun sukhait	Tavan tolgoi 8th orifice	3.2	18.0	30.9	0.96	6752	7.0
		Shivee khuren		Khuren shand	5.0	5.2	35.1	0.22	7050	5.0	75.0
				Zangat uul	6.5	33.9	42.2	0.85	4548	5.0	60.2
				Ukhaa khudag	8.2	8.9	33.5	0.80	6781	7.0	85.3
				Baruun noyon	1.3	13.8	28.6	0.68	7060	7.0	91.5
				MAK	2.3	9.0	25.9	0.70	7455	7.0	86.9
				SGS	5.8	15.2	38.1	0.99	6720	6.0	74.8
				Non coking	Gashuun sukhait	ETT Erchim khuch	3.9	25.2	27.2	0.92	6152
		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		5.4	15.2	32.8	0.40	6042	0.0	0.0
		Other	Zamiin Uud	Alag tolgoi	17.8	20.7	42.2	2.27	4706	0.0	0.0
Brown coal	Bichigt	Tukhum	23.6	10.3	45.1	1.37	4169	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
			Yarant	Khushuut	4.8	20.2	19.7	0.59	6290	6.0	73.5
		Weak coking	Shivee khuren	MAK	6.6	15.4	37.0	0.92	6701	6.0	78.0
		Non coking	Gashuun sukhait	Ukhaa khudag	5.5	17.6	22.9	0.91	6713	1.0	10.8

Source: Central Laboratory of Mining and Petroleum, MRPAM

5 | PETROLEUM

5.1. PETROLEUM PRODUCTION AND EXPORT, by barrel and 2017-2020



5.2. PETROLEUM PRODUCTION AND EXPORT, by barrel, month and 2017-2020

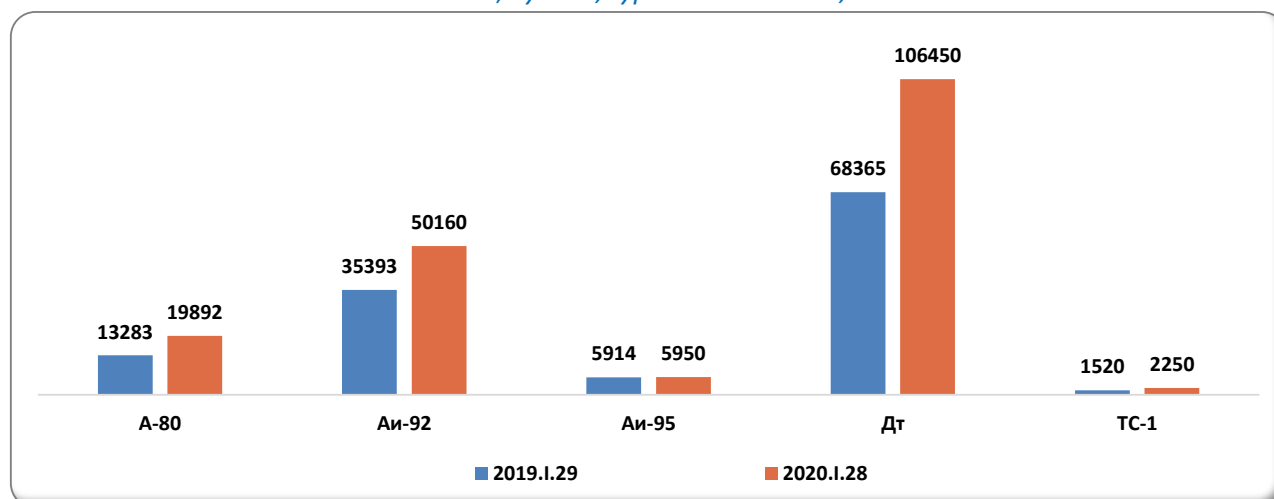
	Production		Export	
	Barrel	Percent	Barrel	Percent
2017	7,624,055	100%	7,512,810	100%
2018	6,389,207	100%	6,188,423	100%
2019	6,876,021	100%	6,546,397	100%
2019.I	586,738	8.5%	533,836	8.2%
2019.II	515,318	7.5%	477,824	7.3%
2019.III	569,607	8.3%	609,104	9.3%
2019.IV	549,452	8.0%	484,692	7.4%
2019.V	565,179	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%
2020.I	371,163	100.0%	287,706	100.0%
2020.I	371,163	100.0%	287,706	100.0%
<u>2020.I</u> 2019.I	63.3%	-	53.9%	-
<u>2020.I</u> 2018.I	59.8%	-	51.5%	-

Source: Petroleum Exploitation Division, MRPAM

5.3. PETROLEUM PRODUCTS IMPORTING, by tons, type, months and 2018-2020

	БҮГД	Автобензин А-80	Автобензин АИ-92	Автобензин АИ-95	Автобензин Аи-98	Дизелийн түлш	Онгоцны түлш ТС-1	Шингэрүүл- сэн шатдаг хий	Бусад
2018	1,870,930	71,599	400,751	20,822	1,541	953,905	65,865	39,503	316,945
2019	2,004,172	70,559	468,824	23,357	1,191	1,118,417	46,621	41,120	234,082
2019.I	185,605	7,230	51,032	2,480	179	108,528	3,155	3,123	9,878
2019.II	131,054	3,986	33,815	2,098	64	77,429	2,825	2,247	8,590
2019.III	147,618	5,913	40,407	373	-	82,892	3,515	4,008	10,510
2019.IV	134,340	8,390	35,288	1,773	182	71,583	5,926	4,102	7,096
2019.V	131,925	4,163	28,940	1,759	60	75,632	1,012	2,760	17,599
2019.VI	162,756	4,881	30,035	-	-	102,827	4,232	3,229	17,551
2019.VII	238,640	6,405	54,880	2,071	116	142,804	4,690	4,858	22,817
2019.VIII	199,703	5,397	42,280	4,416	239	106,160	7,616	2,974	30,620
2019.IX	154,164	4,394	29,095	1,828	112	80,774	2,267	3,806	31,887
2019.X	167,607	4,351	26,060	2,426	122	83,323	5,831	3,470	42,024
2019.XI	156,548	8,138	35,181	1,710	54	92,739	2,268	3,072	13,386
2019.XII	194,212	7,309	61,813	2,424	63	93,724	3,285	3,470	22,125
2020.I	196,696	7,103	47,763	4,247	187	113,855	5,088	2,849	15,603
2020.I	196,696	7,103	47,763	4,247	187	113,855	5,088	2,849	15,603
<u>2020.I</u> <u>2019.I</u>	106.0%	98.2%	93.6%	171.2%	104.1%	104.9%	161.3%	91.2%	158.0%
<u>2020.I</u> <u>2018.I</u>	151.2%	217.2%	193.4%	777.9%	-	129.4%	97.7%	82.0%	319.8%

5.4. RESIDUE OF PETROLEUM PRODUCTS, by tons, type and 2019.I.29, 2020.I.28



Source: Petroleum Products Division, MRPAM

5.5. THE WORLD AVERAGE PRICE OF PETROLEUM PRODUCTS ARE SELLING RETAIL SALE, by US\$/tons and last 12 months

	New York / WTI	London / BRENT	Russia / URAL S32'	China / DAQNG 33'
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
2020.I.07	490.50	519.86	436.65	479.17
2020.I.14	452.73	487.94	438.48	463.97
2020.I.21	453.82	490.75	440.31	461.94
2020.I.28	413.95	443.65	417.65	442.74
2020.I.28				
2019.XII.30	86.0%	87.2%	95.6%	92.3%
2020.I.28				
2019.I.28	101.8%	97.5%	97.1%	115.1%

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.

5.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, provinces and 2019.XII.30, 2020.I.28

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2019. XII.30	2020. I.28	<u>2020.I.28</u> 2019.XII.30	2019. XII.30	2020. I.28	<u>2020.I.28</u> 2019.XII.30	2019. XII.30	2020. I.28	<u>2020.I.28</u> 2019.XII.30	2019. XII.30	2020. I.28	<u>2020.I.28</u> 2019.XII.30
NATIONAL AVERAGE PRICE	1847	1847	100.0%	1925	1925	100.0%	2260	2260	100.0%	2524	2524	100.0%
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%	2509	2510	100.0%
Ulaanbaatar	1730	1730	100.0%	1835	1835	100.0%	2240	2240	100.0%	2460	2470	100.4%
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%	2530	2530	100.0%
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

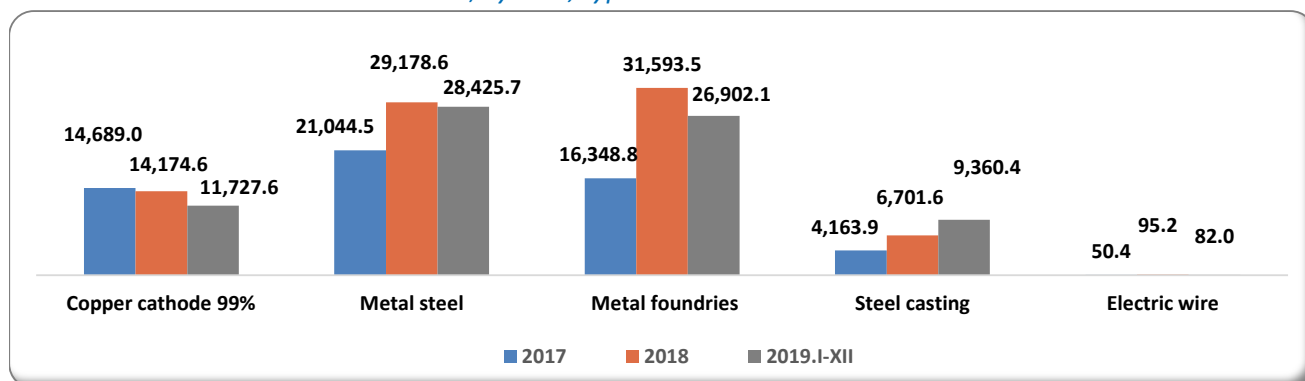
5.7. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type, and end of month 2018-2020

	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
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
2020.I.28	1847	1925	2260	2524
2020.I.28 2019.XII.30	100.0%	100.0%	100.0%	100.0%
2020.I.28 2018.I.30	117.7%	112.6%	110.7%	127.0%
2020.I.28 2017.I.25	120.1%	116.1%	124.4%	144.2%

Source: Petroleum Products Division, MRPAM

6 | HEAVY INDUSTRY

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

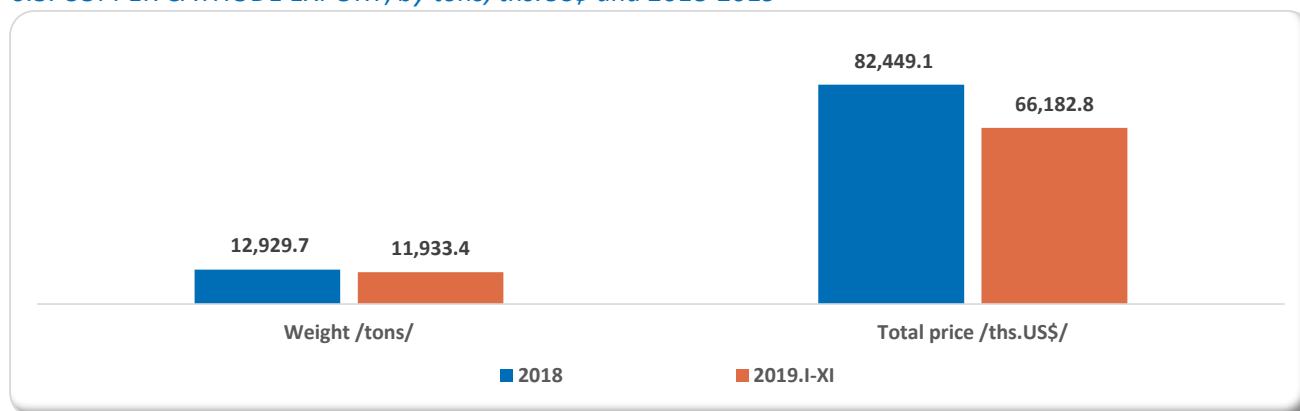


6.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and months 2018-2019

	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%	-

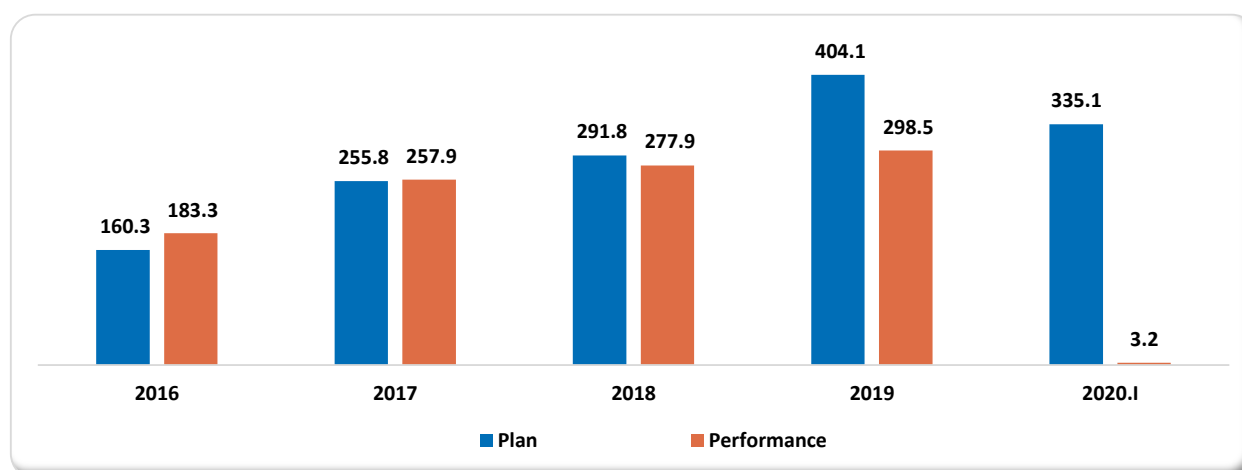
Source: Heavy Industry and Technology Division, MRPAM

7 | STATE BUDGET REVENUE

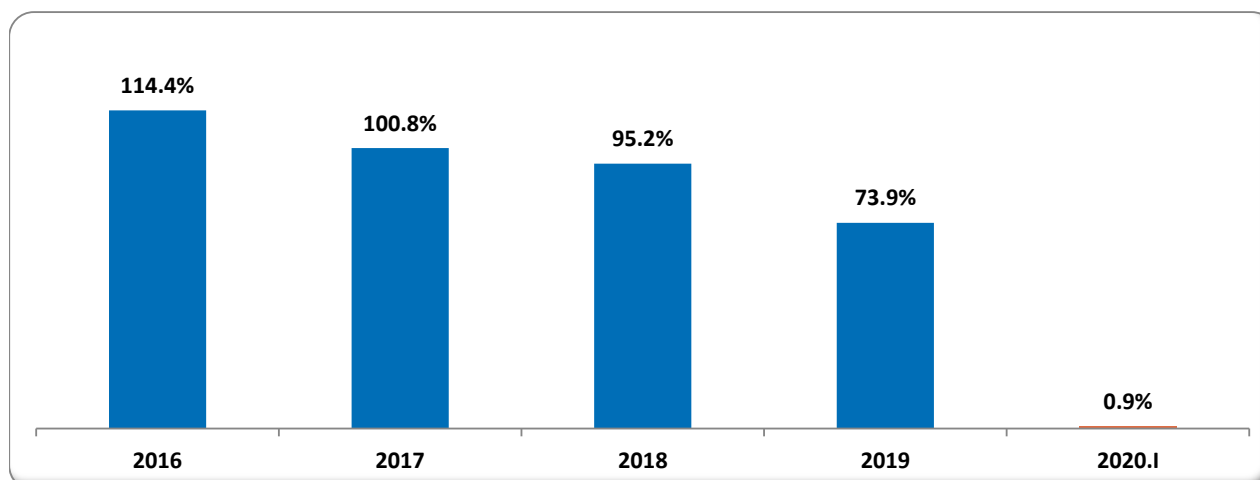
7.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by million.MNT, income type and 2020

	Plan of 2020	2020.I	
		Performance	Performance rate
TOTAL	335,100.0	3,177.4	0.9%
License fee	36,000.0	2,789.5	7.7%
Reimbursement	5,000.0	237.5	4.7%
Petroleum export revenue	266,000.0	0.0	0.0%
Other revenue	14,100.0	150.4	1.1%
Tender revenue	14,000.0	0.0	0.0%

7.2. BUDGET REVENUE OF MRPAM, by billion MNT and 2016-2020



7.3. BUDGET PERFORMANCE RATE OF MRPAM, by 2016-2020



Source: Public Administration and Management Division, MRPAM



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