



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2020/04



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Valid mining and exploration licenses **2,745** (2020.IV.30)

Valid licensed area size **7.1** mln.ha (2020.IV.30)

Percent of total licensed area in Mongolia's territory **4.5%** (2020.IV.30)

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

Average price of gold on the world market **1,682.9** US\$/ounce (2020.IV)

Average price of copper on the world market **5,048.3** US\$/tons (2020.IV)

Average price of thermal coal on the world market **38.2** US\$/tons (2020.IV)

Average price of coking coal on the world market **131.1** US\$/tons (2020.IV)

Coal production **9,158.3** ths.tons (2020.I-IV)

Coal sale **7,219.1** ths.tons (2020.I-IV)

Coal export **3,932.0** ths.tons (2020.I-IV)

Petroleum production **561,687** barrel (2020.I-IV)

Petroleum export **487,545** barrel (2020.I-IV)

Petroleum import **537,657** tons (2020.I-IV)

Average price of gasoline A-80 **1,505** MNT (2020.IV.28)

Average price of gasoline AI-92 **1,571** MNT (2020.IV.28)

Average price of gasoline AI-95 **2,051** MNT (2020.IV.28)

Average price of diesel fuel **2,230** MNT (2020.IV.28)

Copper cathode 99% production **2,448.2** tons (2020.I-III)

Metal steel production **4,831.7** tons (2020.I-III)

Metal foundries production **7,069.8** tons (2020.I-III)

Steel casting production **722.3** tons (2020.I-III)

Electric wire production **15.8** tons (2020.I-III)

Copper cathode export **2,121.0** tons (2020.I-III)

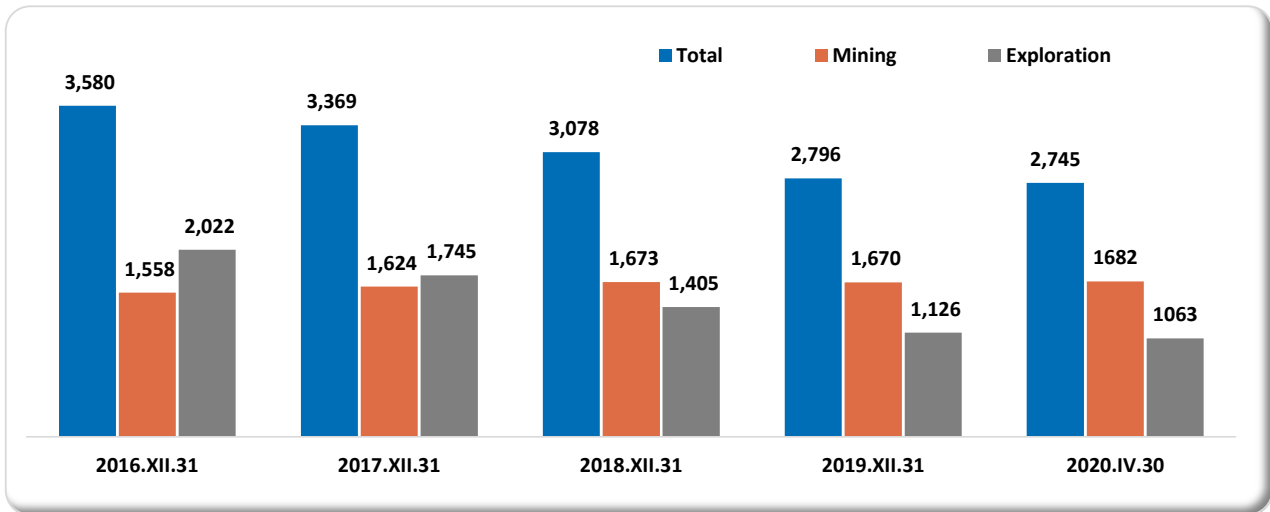
Budget revenue of MRPAM **33,778.1** mln.MNT (2020.I-IV)

1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces and 2020.IV.30

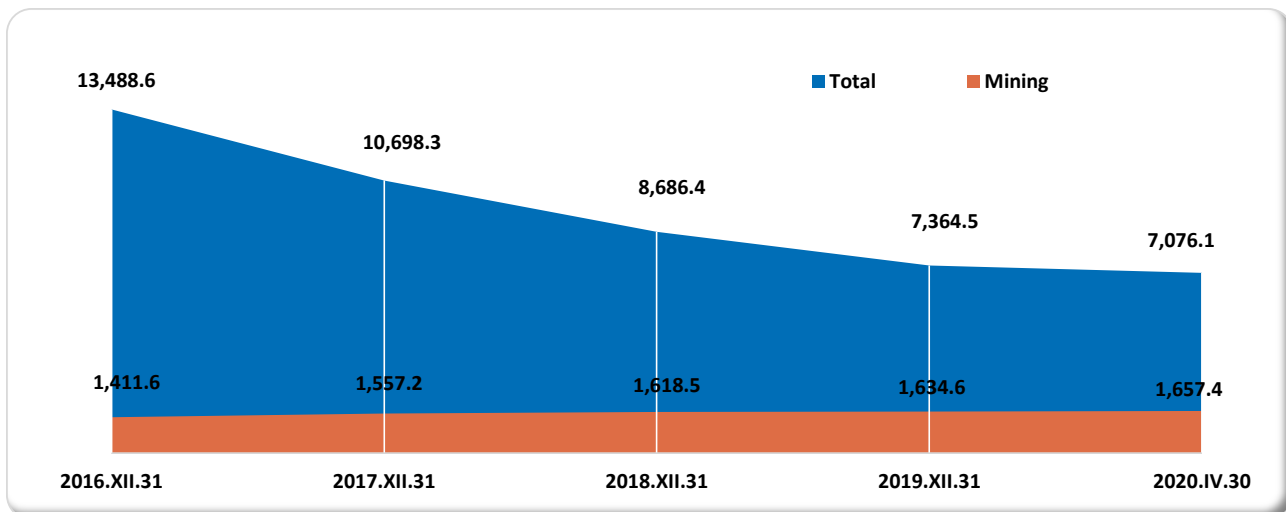
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2,745	7,076.1	4.5%	1,682	1,657.4	1.0%	1,063	5,418.7	3.5%
Arkhangai	19	17.3	0.3%	15	6.2	0.1%	4	11.1	0.2%
Bayan-Ulgii	58	176.8	3.9%	28	15.4	0.3%	30	161.5	3.5%
Bayankhongor	141	352.2	3.0%	88	125.7	1.1%	53	226.5	2.0%
Bulgan	106	127.6	2.6%	74	35.7	0.7%	32	91.9	1.9%
Uvurkhangai	48	136.0	2.2%	28	15.7	0.2%	20	120.4	1.9%
Govi-Altai	147	663.9	4.7%	52	82.3	0.6%	95	581.6	4.1%
Govisumber	17	44.9	8.1%	13	38.9	7.0%	4	6.1	1.1%
Darkhan Uul	68	12.7	3.9%	62	7.6	2.3%	6	5.1	1.6%
Dornogovi	339	1,237.3	11.3%	189	236.7	2.2%	150	1,000.6	9.1%
Dornod	153	502.5	4.1%	74	63.7	0.5%	79	438.8	3.6%
Dundgovi	201	692.1	9.3%	108	182.9	2.4%	93	509.2	6.8%
Zavhan	52	248.2	3.0%	9	14.1	0.2%	43	234.2	2.8%
Umnugovi	172	1,082.5	6.6%	93	448.4	2.7%	79	634.1	3.8%
Orkhon	9	11.1	13.2%	9	11.1	13.2%	0	0.0	0.0%
Sukhbaatar	94	293.0	3.6%	68	61.5	0.7%	26	231.5	2.8%
Selenge	177	95.7	2.3%	139	42.8	1.0%	38	52.9	1.3%
Tuv	394	355.5	4.8%	304	156.8	2.1%	90	198.8	2.7%
Uvs	127	415.5	6.0%	48	21.0	0.3%	79	394.5	5.7%
Ulaanbaatar	171	14.6	3.1%	160	13.3	2.8%	11	1.3	0.3%
Khuvsgul	26	17.0	0.2%	21	10.3	0.1%	5	6.7	0.1%
Khovd	98	248.8	3.3%	35	14.0	0.2%	63	234.8	3.1%
Khentii	218	330.8	4.1%	123	53.5	0.7%	95	277.4	3.4%

Source: Cadastre Division, MRPAM

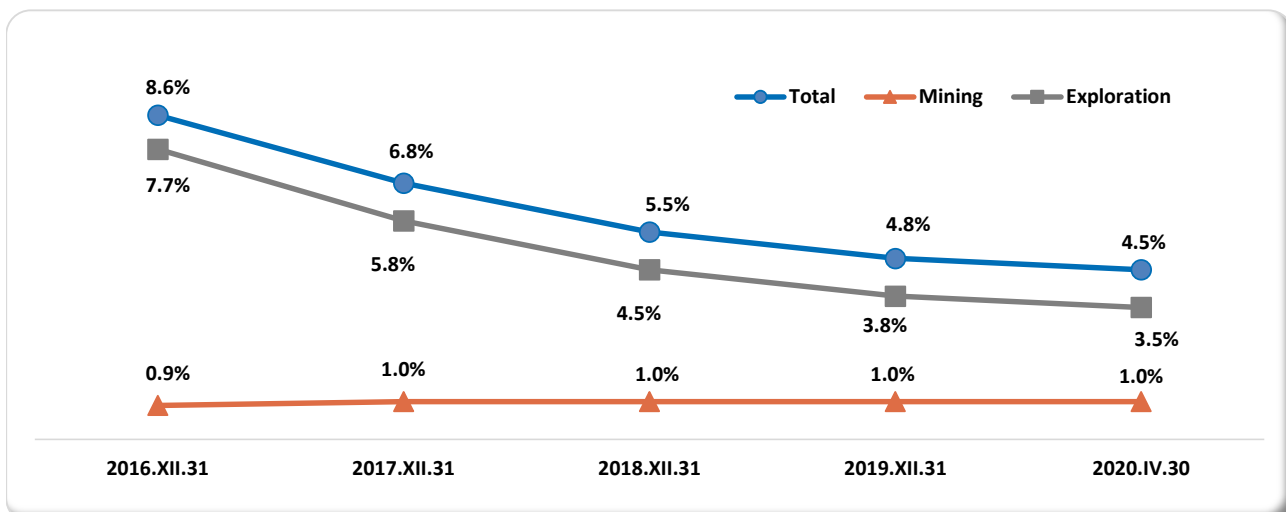
1.2. COUNT OF TOTAL VALID LICENSES, by 2016-2020



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.IV.30*

	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1682	100%	1,657,361.1	100%
Gold (placer)	439	26.1%	153,491.3	9.3%
Coal	301	17.9%	796,778.5	48.1%
Fluorite	194	11.5%	31,641.4	1.9%
Gold (placer)	92	5.5%	89,840.1	5.4%
limestone	77	4.6%	43,868.4	2.6%
Iron	70	4.2%	41,721.9	2.5%
Common mineral, sand, gravel	70	4.2%	3,685.1	0.2%
Common mineral, mud	52	3.1%	2,781.3	0.2%
Common mineral, gravel	34	2.0%	9,240.3	0.6%
Tungsten	29	1.7%	9,062.1	0.5%
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	5.2%
Tin	13	0.8%	6,610.7	0.4%
Earth rare metal	9	0.5%	7,435.4	0.4%
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	4.6%
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	119	7.0%	99,013.8	5.9%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha, overlap and 2020.IV.30

	Hectare	Percent of total territory
Valid mining licensed area	1.7	1.1%
Valid exploration licensed area	5.4	3.5%
State protected area	32.9	21.0%
Special purpose area	33.5	21.4%
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.IV.30

	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.IV.30

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1750	2745	7,076,070.3	100%
Mongolian entities	1394	2173	5,268,469.0	74.5%
100% foreign entities	254	417	1,447,573.2	20.5%
Joint foreign entities	102	155	360,028.0	5.1%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, by countries and 2020.IV.30

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	254	417	1,447,573.2	100%
China	133	167	356,639.3	24.64%
Virgin Islands	32	60	142,255.8	9.83%
Hong Kong	16	31	103,470.8	7.15%
Singapore	16	58	342,810.4	23.68%
Canada	12	25	243,307.2	16.81%
South Korea	11	16	34,388.2	2.38%
Australia	5	5	26,641.3	1.84%
Russia	4	5	2,490.4	0.17%
Great Britain	3	4	6,038.7	0.42%
Holland	3	15	106,872.3	7.38%
Luxemburg	2	6	13,528.2	0.93%
Germany	2	2	603.9	0.04%
Japan	2	3	3,015.1	0.21%
Bermud	2	3	7,314.3	0.51%
United States of America	2	4	3,167.8	0.22%
Russia, South Korea	1	1	118.2	0.01%
Russia, China	1	1	47.5	0.00%
Ukraine	1	1	245.0	0.02%
Bulgaria	1	1	3,700.9	0.26%
Barbados	1	4	10,040.0	0.69%
Malaysia	1	2	2,416.5	0.17%
Luxemburg, Seychelles	1	1	36,391.0	2.51%
Kazakhstan	1	1	136.5	0.01%
Virgin Islands, Singapore	1	1	1,934.0	0.13%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, *by countries and 2020.IV.30*

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	102	155	360,028.0	100%
Mongolia, China	48	70	97,469.2	27.1%
Mongolia, South Korea	10	17	39,835.3	11.1%
Mongolia, Russia	8	11	1,565.8	0.4%
Mongolia, Virgin Islands	6	10	35,233.8	9.8%
Mongolia, Germany	4	5	11,776.3	3.3%
Mongolia, Singapore	4	7	30,219.9	8.4%
Mongolia, Japan	4	7	10,207.6	2.8%
Mongolia, Czech Republic	3	6	52,377.8	14.5%
Mongolia, Great Britain	2	2	5,135.2	1.4%
Mongolia, Hong Kong	2	5	9,008.5	2.5%
Mongolia, Hungary	1	1	87.4	0.0%
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	1.1%
Mongolia, Canada, China	1	1	6,352.8	1.8%
Mongolia, Luxemburg	1	1	3,273.9	0.9%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Poland	1	1	1,561.3	0.4%
Mongolia, Hong Kong, Japan	1	3	43,809.3	12.2%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.4%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, by bank and non-bank financial institute and 2020.IV.30

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	218	100%	244,946.1	100%
Trade and Development Bank	31	14.2%	16,718.8	6.8%
Development Bank of Mongolia	26	11.9%	25,956.3	10.6%
Golomt Bank	25	11.5%	16,818.6	6.9%
HAAN Bank	12	5.5%	2,891.8	1.2%
Golomt, Saving, Zoos, Anod Banks	11	5.0%	80,891.6	33.0%
Ulaanbaatar City Bank	10	4.6%	2,555.0	1.0%
XAC Bank	9	4.1%	8,689.8	3.5%
Capital Bank	9	4.1%	1,098.2	0.4%
European Bank for Reconstruction and Development	7	3.2%	3,201.9	1.3%
Chinggis Khan Bank	7	3.2%	2,658.5	1.1%
Capitronbank	6	2.8%	7,145.9	2.9%
Anod Bank	6	2.8%	1,431.0	0.6%
Transport Development bank	4	1.8%	978.2	0.4%
State Bank	4	1.8%	570.6	0.2%
Credit bank	4	1.8%	13,017.0	5.3%
Bank of China	4	1.8%	10,911.8	4.5%
Saving bank	3	1.4%	1,092.0	0.4%
National Investment Bank	3	1.4%	154.0	0.1%
Export-Import Bank of China	3	1.4%	1,087.5	0.4%
Triple flag mining finance Bermuda Ltd	3	1.4%	1,670.1	0.7%
Bogd bank	3	1.4%	150.3	0.1%
GSB capital NBFi	2	0.9%	17,131.1	7.0%
Khutult nomgon	2	0.9%	9,271.1	3.8%
First lithium Corporation	2	0.9%	2,194.9	0.9%
Erel bank	2	0.9%	222.6	0.1%
World Gold	2	0.9%	253.4	0.1%
Other	18	8.3%	16,184.0	6.6%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, by 2020.IV.30

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	16	8,933.2	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 govi 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	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.IV.30

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-IV
TOTAL	613	813	1187	698	124
New license	131	288	226	218	29
Mining	103	65	78	73	29
Exploration	0	0	0	0	0
Tender	28	223	148	145	0
Extension of exploration license	173	231	657	273	24
Transfer	139	153	157	72	36
Mining	49	78	25	24	13
Exploration	90	75	132	48	23
Pledge	33	37	61	25	9
Mining	30	32	58	24	9
Exploration	3	5	3	1	0
Surrender	137	104	86	110	26
Mining	26	14	12	12	7
Exploration	111	90	74	98	19

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

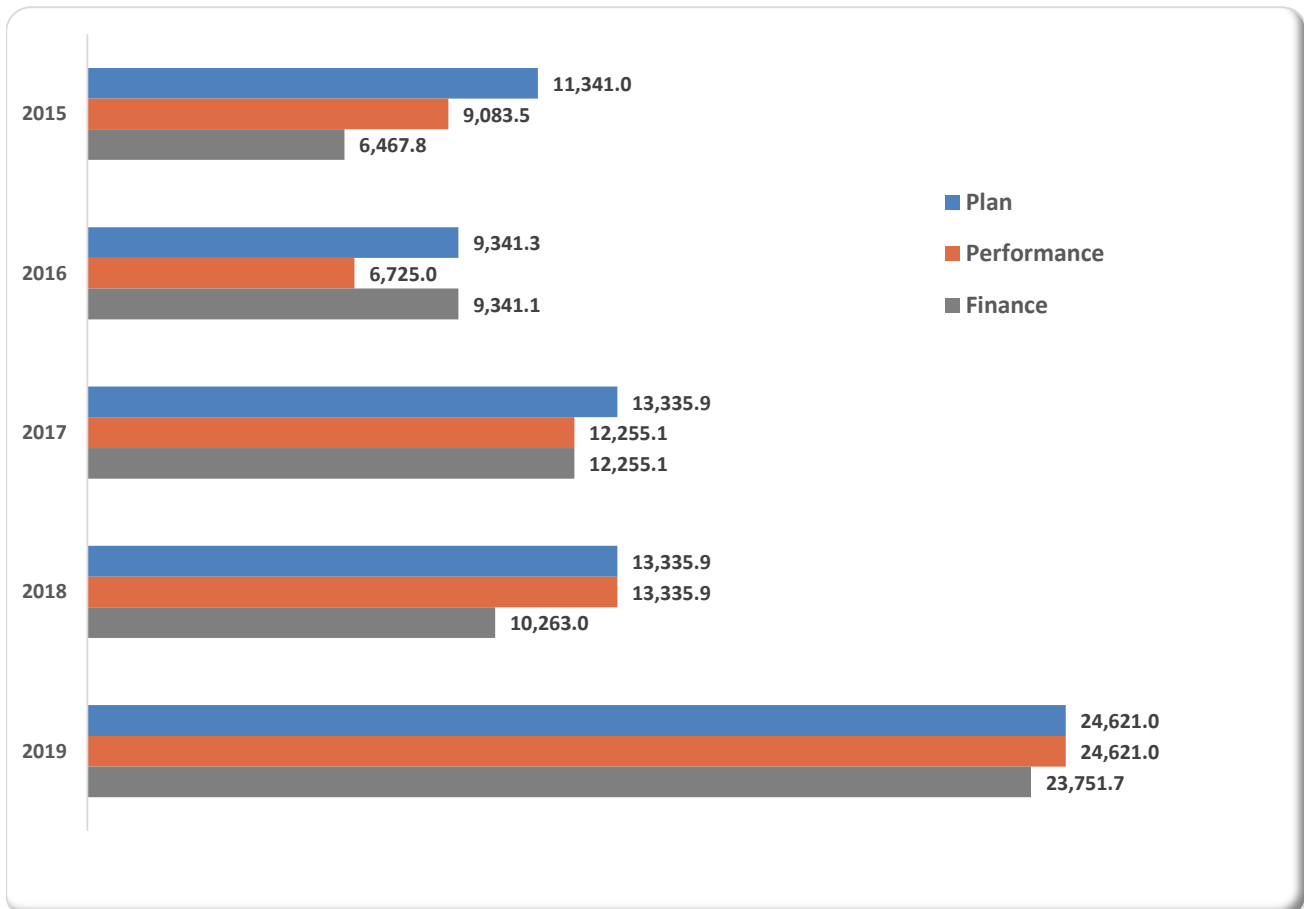
	2016	2017	2018	2019	2020.I-IV
New license	750	151	85	130	21
Mining	93	77	61	59	21
Exploration	629	41	5	0	0
Tender	28	33	19	71	0
Surrendered	166	97	91	93	28
Mining	25	13	11	11	4
Exploration	141	84	80	82	24
Canceled	241	237	181	189	46
Mining	37	35	33	70	14
Exploration	204	202	148	119	32
Expired	124	176	209	199	36
Transferred	146	136	172	71	31
Mining	50	62	38	24	12
Exploration	96	74	134	47	19
Extended	167	162	566	300	22
Pledged	29	39	56	24	24
Mining	27	34	53	23	7
Exploration	2	5	3	0	0
Terminated pledges	16	39	27	31	12
Mining	12	38	26	30	12
Exploration	4	1	1	1	0
Re-issue of license documents	35	26	40	27	7
Mining	15	19	13	14	5
Exploration	20	7	27	13	2

Source: Cadastre Division, MRPAM

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

	2017		2018		2019	
	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



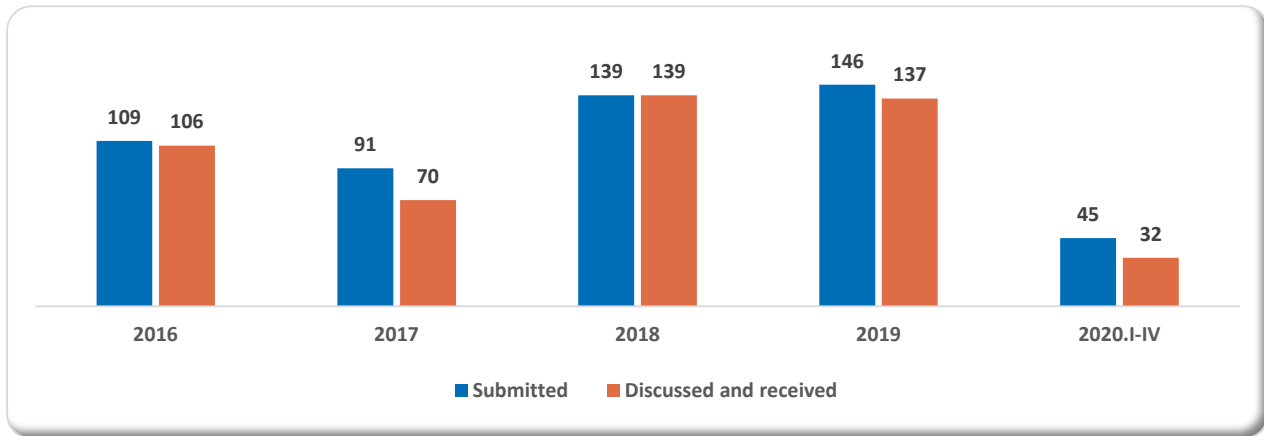
Source: Geology and Exploration Division, MRPAM

2.3. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, by million MNT, type work and 2018-2019 (2020.IV.25)

	2018		2019	
	Mln.MNT	Percent	Mln.MNT	Percent
TOTAL	153,292.9	100%	87.2	100%
Preparation	3,447.8	2.2%	2.6	2.9%
Mapping	3,444.1	2.2%	1.0	1.1%
Geological survey	2,746.3	1.8%	1.3	1.5%
Sampling	1,674.9	1.1%	0.8	1.0%
Geophysical work	10,461.7	6.8%	4.1	4.7%
Mining	15,257.0	10.0%	4.7	5.3%
Drilling	75,064.2	49.0%	49.4	56.6%
Indoor, laboratory investigation	11,786.9	7.7%	1.5	1.7%
Laboratory	12,601.0	8.2%	9.1	10.4%
Transport	3,761.3	2.5%	0.0	0.0%
Topogeodetic work	1,621.3	1.1%	2.8	3.2%
Hydrogeological work	1,442.8	0.9%	0.8	0.9%
Geoecological survey	823.2	0.5%	2.8	3.3%
Archeology	6,638.4	4.3%	0.5	0.6%
Environment reclamation	378.4	0.2%	0.3	0.3%
Field sampling	1,118.2	0.7%	0.3	0.4%
Assume expenses	173.2	0.1%	5.0	5.8%
Other	852.3	0.6%	0.2	0.2%

Эх сурвалж: Геологи, хайгуулын хэлтэс, АМГТГ

2.4. RECEIVED EXPLORATION REPORT, by 2016-2020



2.5. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, 2020.I-IV

	Deposit	Resource		
		Unit	Ore	Metal
Gold (rock)	2	ths.t/kg	7,986.0	10,111.2
Silver		t	-	75.3
Blue lead		t	-	29.3
Zinc		ths.t	-	37.8
Gold (placer)	9	kg	499.0	446.3
Iron	1	ths.t	5,704.2	
Iron		ths.t		2,007.7
Tungsten	1	t	129,649.0	2,199.0
Fluorspar	5	ths.t	2,451.2	1,026.9
Uranium	1	ths.t	398,941.5	93.3
Coal	3	mln.t	266.1	
Aggregate stone	3	ths.t	27,141.7	
Graphite	3	ths.t	59.2	5.3
Mud	1	ths.m3	687.9	
Sand gravel	3	ths.m3	2,078.2	
Sand	2	ths.m4	1,012.1	

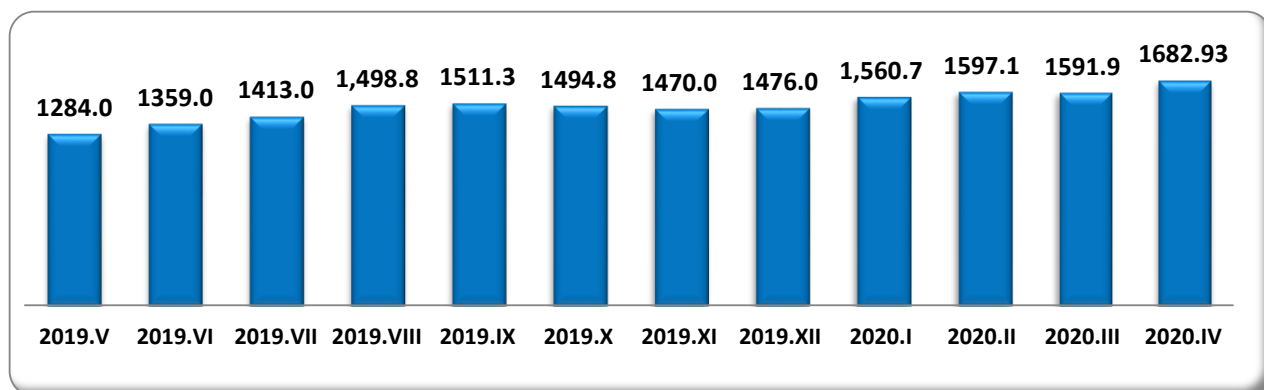
Source: Geology and Exploration Division, MRPAM

3 | MINING

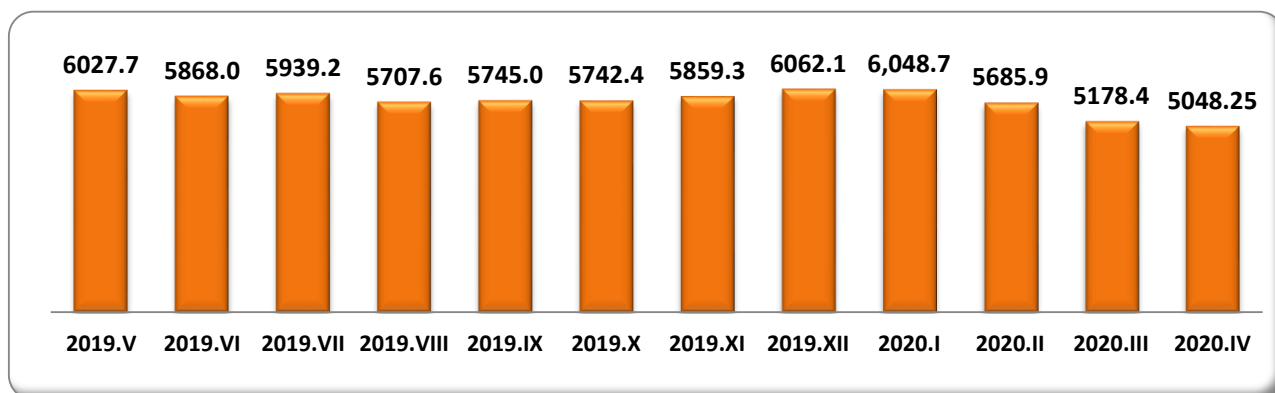
3.1. AVERAGE OF COMMODITY PRICES ON THE WORLD MARKET, by 2019-2020

	Хэмжих нэгж	2019	2019.IV	2020.III	2020.IV	$\frac{2020.IV}{2019.IV}$	$\frac{2020.IV}{2020.III}$
Gold	\$/ounce	1,392.2	1,286.4	1,591.9	1,682.9	130.8%	105.7%
Silver	\$/ounce	16.2	15.0	14.9	15.0	100.0%	100.8%
Copper	\$/tons	6,004.6	6,444.5	5,178.4	5,048.3	78.3%	97.5%
Zinc	\$/tons	2,548.6	2,938.0	1,905.3	1,894.1	64.5%	99.4%
Blue lead	\$/tons	1,993.7	1,948.3	1,744.1	1,651.5	84.8%	94.7%
Tin	\$/tons	18,660.5	20,670.8	15,315.1	15,039.4	72.8%	98.2%
Molybdenum	\$/tons	23,755.9	24,235.0	19,495.9	18,449.4	76.1%	94.6%
Manganese 36%	\$/tons	233.4	261.9	178.4	224.4	85.7%	125.8%
Tungsten, 99%	\$/tons	33,953.3	37,390.0	33,650.0	32,170.0	86.0%	95.6%
Tungsten, 65%	\$/tons	12,787.3	14,341.8	12,481.2	10,660.7	74.3%	85.4%
Iron ore 56%	\$/tons	67.2	71.9	70.3	65.1	90.5%	92.6%
Iron ore 60% concentrate	\$/tons	82.7	86.3	79.8	75.5	87.6%	94.6%
Fluorite concentrate AG-97	\$/tons	448.3	425.0	385.0	385.0	90.6%	100.0%
Fluorite ore MG-85	\$/tons	320.2	300.0	300.0	300.0	100.0%	100.0%
Uranium	\$/kg	56.5	55.6	60.3	73.3	131.9%	121.6%

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

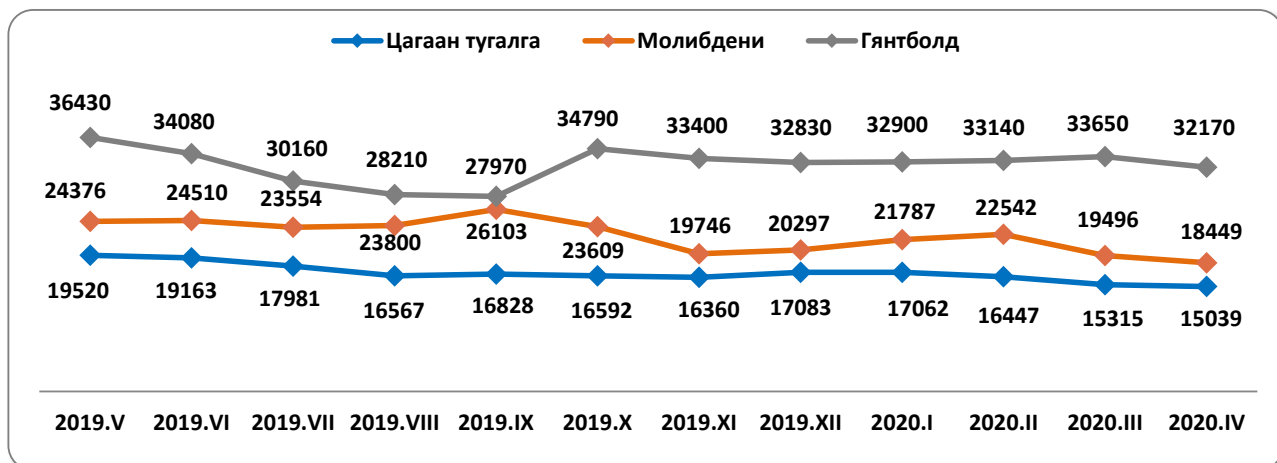


3.3. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

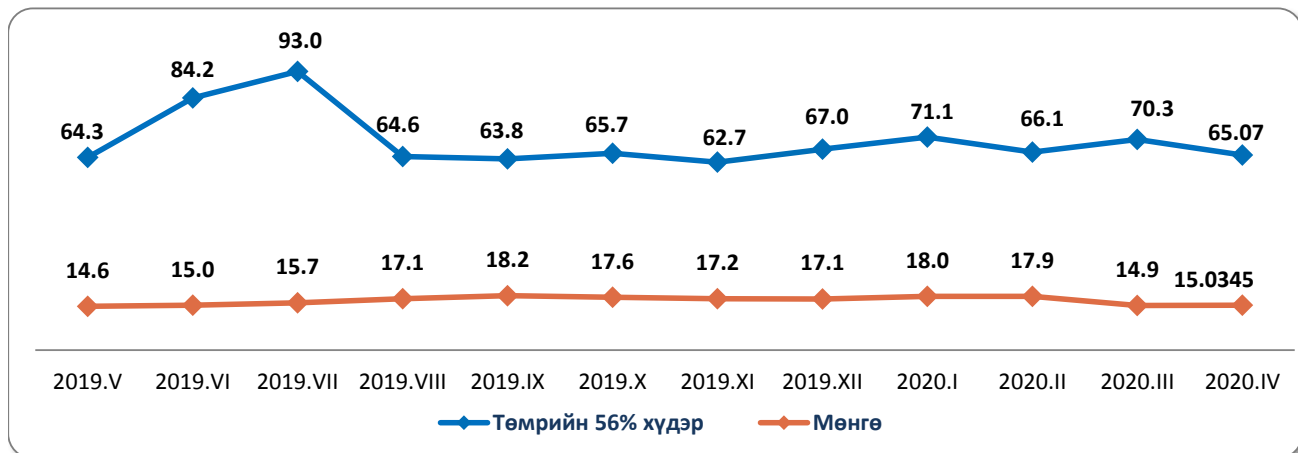


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

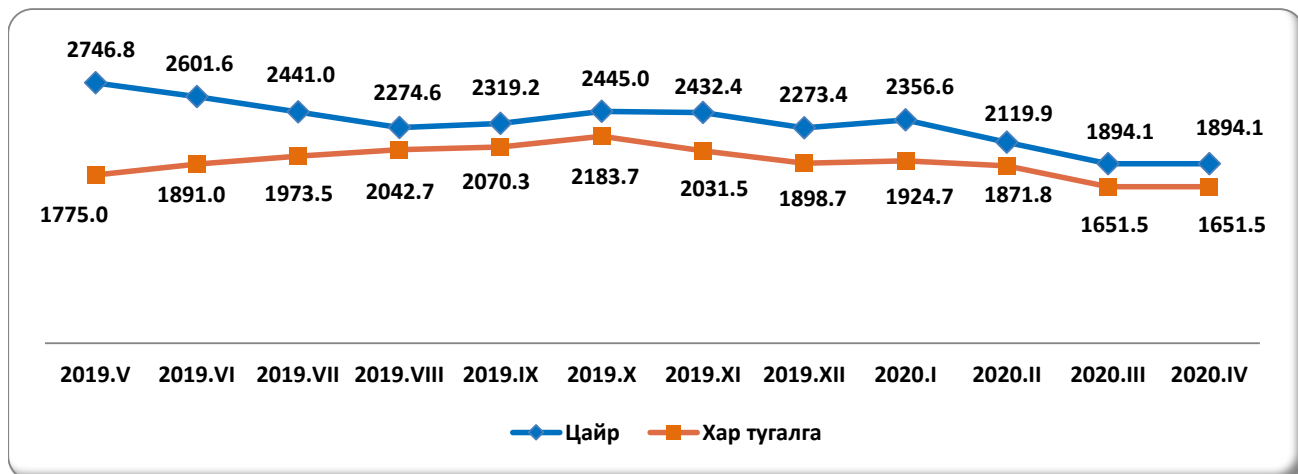
3.4. ЦАГААН ТУГАЛГА, МОЛИБДЕНИ, ГЯНТБОЛДЫН ДЭЛХИЙН ЗАХ ЗЭЭЛИЙН ДУНДАЖ ҮНЭ, ам.доллар/тонн, сүүлийн 12 сараар



3.5. ТӨМРИЙН ХҮДЭР, МӨНГӨНИЙ ДЭЛХИЙН ЗАХ ЗЭЭЛИЙН ДУНДАЖ ҮНЭ, ам.доллар/тонн, ам.доллар/унци, сүүлийн 12 сараар



3.6. ЦАЙР, ХАР ТУГАЛГАНЫ ДЭЛХИЙН ЗАХ ЗЭЭЛИЙН ДУНДАЖ ҮНЭ, ам.доллар/тонн, сүүлийн 12 сараар



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	Average price						Market value /2020.V.08/
				2019	2019.IV	2020.III	2020.IV	2020.IV 2019.IV	2020.IV 2020.III	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	1.036	1.221	0.423	0.467	38.2%	110.4%	976.80M
Peabody Energy Corporation	NYQ	BTU	USD	22.07	23.166	3.655	3.247	14.0%	88.8%	265.14M
Rio Tinto plc	LSE	RIO.L	GBp	4,342.7	4,704.2	3,472.0	3,756.1	79.8%	108.2%	62.25B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.121	0.126	0.261	0.417	331.0%	159.8%	80.89M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.412	0.105	0.373	0.405	385.7%	108.6%	391.09M
South Gobi Resources Ltd.	HKG	1878.HK	HKD	0.949	1.088	0.685	0.605	55.6%	88.3%	300.38M
Centerra Gold Inc.	TOR	CG.TO	CAD	9.131	8.667	8.559	10.063	116.1%	117.6%	3.71B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.207	0.202	0.183	0.2	99.0%	109.3%	42.99M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.407	0.416	0.28	0.283	68.0%	101.1%	59.66M
Prophecy Development Corp.	TOR	PCY.TO	CAD	0.268	0.188	0.153	0.032	17.0%	20.9%	12.29M
Steppe Gold Ltd	TOR	STGO.TO	CAD	0.849	0.69	0.786	0.873	126.5%	111.1%	75.56M
Kincora Copper Limited	VAN	KCC.V	CAD	0.097	0.101	0.037	0.059	58.4%	159.5%	11.04M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.01	0.01	-	-	-	-	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.071	0.059	0.028	0.029	49.2%	103.6%	21.36M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.028	0.016	0.069	0.077	481.3%	111.6%	40.61M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	-	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.09	0.09	0.05	-	-	-	19.33M
TerraCom Limited	ASX	TER.AX	AUD	0.512	14.79	0.179	0.105	0.7%	58.7%	56.70M
Viking Mines Limited	ASX	VKA.AX	AUD	0.011	-	0.006	0.006	-	100.0%	2.20M
Banpu Public Company Limited	SET	BANPU.BK	THB	13.987	-	5.689	5.8	-	102.0%	28.65B
Petro Matad Limited	LSE	MATD.L	GBp	5.301	6.975	2.467	2.269	32.5%	92.0%	17.17M
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	Average price					
		2019	2019.IV	2020.III	2020.IV	<u>2020.IV</u> 2019.IV	<u>2020.IV</u> 2020.III
Tavantolgoi	TTL	6,772	6,468	6,487	5,237	81.0%	80.7%
Baganuur	BAN	1,146	1,137	962	835	73.4%	86.8%
Shivee-Ovoo	SHV	2,175	1,858	1,962	1,990	107.1%	101.4%
Aduunchuluun	ADL	1,615	1,950	1,046	1,030	52.8%	98.5%
Shariin Gol	SHG	1,542	1,671	1,126	965	57.7%	85.7%
Erdene Resource Development Corporation	ERDN	502	496	510	501	101.0%	98.2%
Mogoin gol	BDL	7,766	7,713	8,650	7,400	95.9%	85.5%
Bayanteeg	BTG	21,841	24,000	26,750	25,000	104.2%	93.5%
Berkh-Uul	BEU	574	525	-	-	-	-
Khar Tarvagatai	TVT	7,080	-	4,500	-	-	-
Taliin Gal	TAL	-	-	-	-	-	-
Mongol Basalt	MBW	277	246	227	211	85.8%	93.0%
Mongol Ceramic	KEK	18,587	18,040	-	16,500	91.5%	-
Silikat	SIL	76	-	-	-	-	-
Songolon barmat	SSG	-	-	-	-	-	-
Remicon	RMC	28	30	26	26	86.7%	100.0%
Arig Tal	EER	3,420	3,600	3,143	2,923	81.2%	93.0%
Niislel-Urguu	NUR	5,377	5,900	-	-	-	-
Erchim Bayan-Ulgii	BOE	749	-	-	-	-	-
Khukh Gan	HGN	75	72	80	-	-	-
Nako Tulsh	NKT	82	106	-	-	-	-

Source: www.mse.mn

3.9. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2018-2019 (2020.V.01)

	Unit	2018	2019
Area covered by mining	ha	1,059.3	467.3
Rehabilitated area	ha	924.2	2,470.2
Expenses for rehabilitation	mln.MNT	3,891.2	11,241.0
Area covered by technical rehabilitation	ha	753.0	542.7
Area covered by biological rehabilitation	ha	697.5	371.4
Environmental expenses	mln.MNT	7,008.3	1,449.9
Area of abusive protection rehabilitation	ha	179.4	1,537.2
Expenses for abusive protection rehabilitation	mln.MNT	664.1	478.3
Area of remodeling the mine and rehabilitation of the village	ha	47.3	19.0
Expenses for remodeling the mine and rehabilitation of the village	mln.MNT	312.1	390.7

3.10. AREA COVERED BY MINING AND REHABILITATION AREA IN 2019, 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	81	467.3	100%	542.7	100%	371.4	100%	2470.2	100%
Arkhangai	1	0.7	0.1%	44.6	8.2%	19.2	5.2%	63.8	2.6%
Bayankhongor	6	33.1	7.1%	23.0	4.2%	3.2	0.9%	1,484.2	60.1%
Bulgan	5	38.3	8.2%	46.3	8.5%	31.6	8.5%	79.8	3.2%
Bulgan, Selenge	1	4.7	1.0%	10.5	1.9%	6.9	1.9%	17.4	0.7%
Bulgan, Tuv	6	99.4	21.3%	162.4	29.9%	114.2	30.7%	277.0	11.2%
Govi-Altai	1	3.3	0.7%	2.9	0.5%	2.9	0.8%	5.7	0.2%
Govisumber	1	-	-	-	-	-	-	-	-
Darkhan Uul	6	18.8	4.0%	23.6	4.4%	12.5	3.4%	38.4	1.6%
Dornogovi	6	27.4	5.9%	7.4	1.4%	10.0	2.7%	18.4	0.7%
Dornod	3	4.8	1.0%	2.5	0.5%	2.0	0.5%	8.0	0.3%
Dundgovi	6	17.9	3.8%	-	-	0.8	0.2%	62.9	2.5%
Zavkhan	1	-	-	-	-	-	-	-	-
Orkhon	2	52.4	11.2%	2.0	0.4%	4.0	1.1%	8.2	0.3%
Sukhbaatar	1	-	-	-	-	-	-	0.3	0.0%
Selenge	7	7.9	1.7%	24.1	4.4%	23.8	6.4%	56.8	2.3%
Tuv	19	143.9	30.8%	178.8	32.9%	140.2	37.8%	327.0	13.2%
Khentii	9	14.7	3.1%	14.7	2.7%	0.2	0.1%	22.4	0.9%

Эх сурвалж: Уул уурхайн үйлдвэрлэл, технологийн хэлтэс, АМГТГ

4 | COAL

4.1. STRIPING, COAL PRODUCTION, SALE AND EXPORT, by 2015-2020

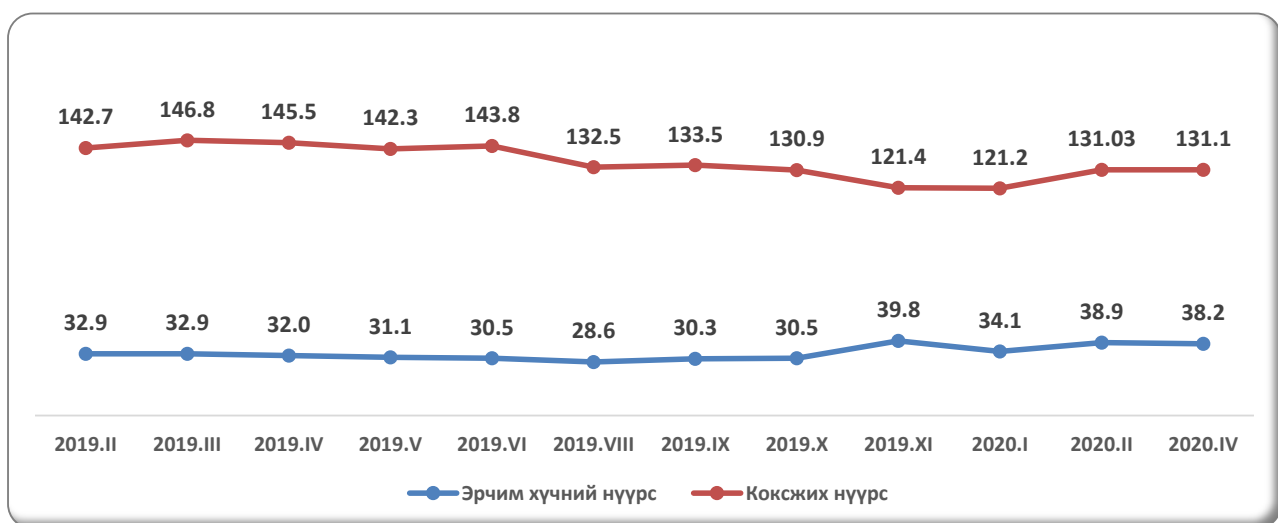
	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2015	92,975.0	23,979.0	22,125.0	14,468.0
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019	292,181.7	57,128.8	47,047.8	36,809.1
2020.I-IV	66,190.0	9,158.3	7,219.1	3,932.0

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

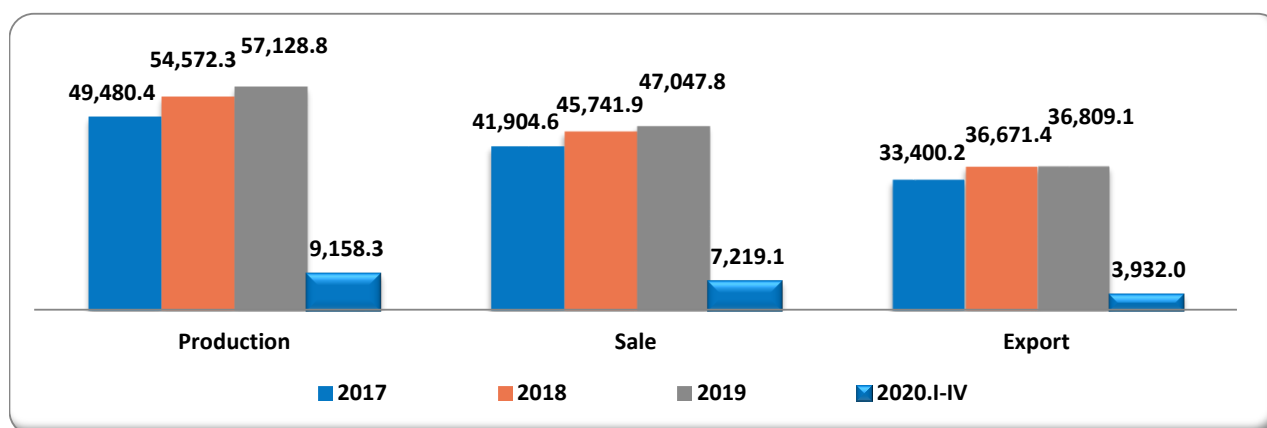
	TOTAL	Export	Local
БҮГД	7,219.1	3,932.0	3,287.1
Washed coking coal	847.5	847.5	-
Raw coking coal	1,687.8	1,687.8	-
Weak coking coal	878.7	878.7	-
Thermal coal	518.0	518.0	-
Brown coal	3,287.1	-	3,287.1

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
2019	57,128.8	47,047.8	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	3,891.8	3,378.5
2019.VI	4,435.5	3,695.8	3,066.5
2019.VII	5,196.0	3,602.8	2,936.6
2019.VIII	5,402.1	4,139.1	3,415.9
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	2,587.1	1,570.6
2019.XII	2,963.6	3,836.8	2,469.9
2020.I-IV	9,158.3	7,219.1	3,932.0
2020.I	3,583.0	2,908.1	2,034.7
2020.II	2,369.9	1,290.0	419.9
2020.III	1,505.9	1,320.3	640.6
2020.IV	1,699.5	1,700.7	836.8
<u>2020.IV</u> <u>2019.IV</u>	34.9%	41.2%	23.7%
<u>2020.I-IV</u> <u>2019.I-IV</u>	50.7%	45.7%	32.2%

Source: Coal Research Division, MRPAM

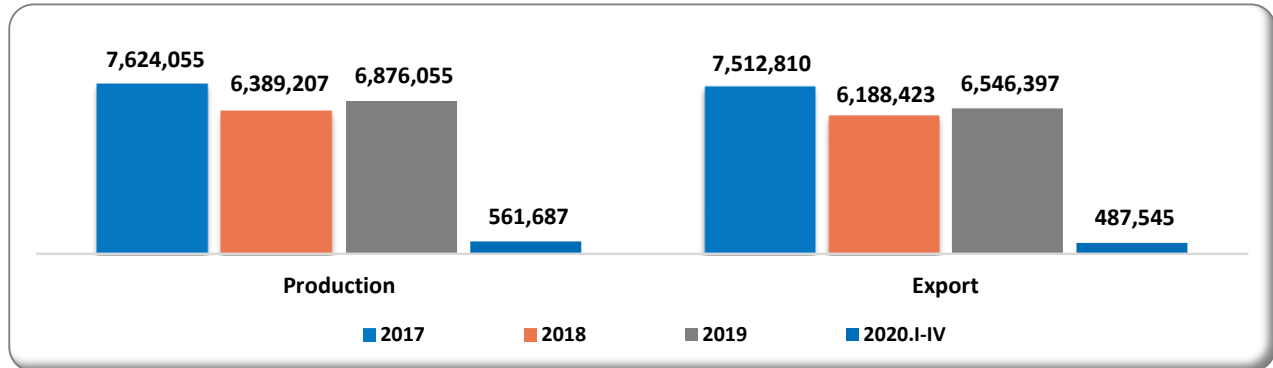
4.6. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, 2020.IV

Type of coal	Name	Classification	Border name	Deposit name	Total moisture	Ash	Volatile matter	Sulfur value	Calorific value	Free swelling index	Gelification index
					Weight, %				Kcal/kg	Index	
Raw coal	Coal	Coking	Gashuun sukhait	Baruun Zuun Tsankhi	2.0	18.2	26.5	0.89	6950	7.0	84.2
				Tavan tolgoi 4th orifice	3.2	20.1	28.3	0.78	6785	6.0	79.5
		Weak coking	Gashuun sukhait	Ukhaa Khudag	7.4	8.8	35.5	0.81	6824	7.5	75.6
				Tavan tolgoi 8th orifice	5.2	22.1	30.5	1.00	6520	7.0	80.4
			Shivee khuren	Khuree shand	2.7	11.1	40.9	0.92	6802	6.0	87.5
				Baruun Noyon	1.8	13.5	32.5	0.55	7103	6.0	95.9
				MAK	2.7	12.7	33.7	0.69	6797	5.0	54.7
				SGS	3.2	9.0	36.3	0.77	6960	6.0	66.7
			Zamiin Uud	Mogoin gol	8.1	14.5	31.5	1.20	6404	9.0	99.6
		Non coking	Gashuun sukhait	ETT Erchim Khuch	5.5	16.9	26.9	0.99	6089	0.0	0.0
		Other	Zamiin Uud	Alag Tolgoi	17.8	20.7	42.2	2.27	4706	0.0	0.0
				Dalan FShR	4.6	29.7	43.8	1.53	4839	0.0	0.0
		Brown coal	Bichigt	Bayantsogt	33.4	10.0	46.8	1.70	2268	0.0	0.0
Washed coal	Coal	Coking	Gashuun sukhait	Ukhaa Khudag	8.5	10.2	25.3	0.68	6852	8.0	80.1
		Weak coking	Shivee khuren	MAK	4.9	5.6	34.0	0.68	7108	6.0	64.8
		Non coking	Shivee khuren	SGS	1.7	15.4	36.8	0.97	6556	3.5	42.0
			Gashuun sukhait	Ukhaa Khudag	1.0	16.3	22.6	0.79	6919	0.0	0.0
			Zamiin Uud	Achir	10.2	19.5	34.2	0.92	5300	0.0	0.0

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 2019-2020

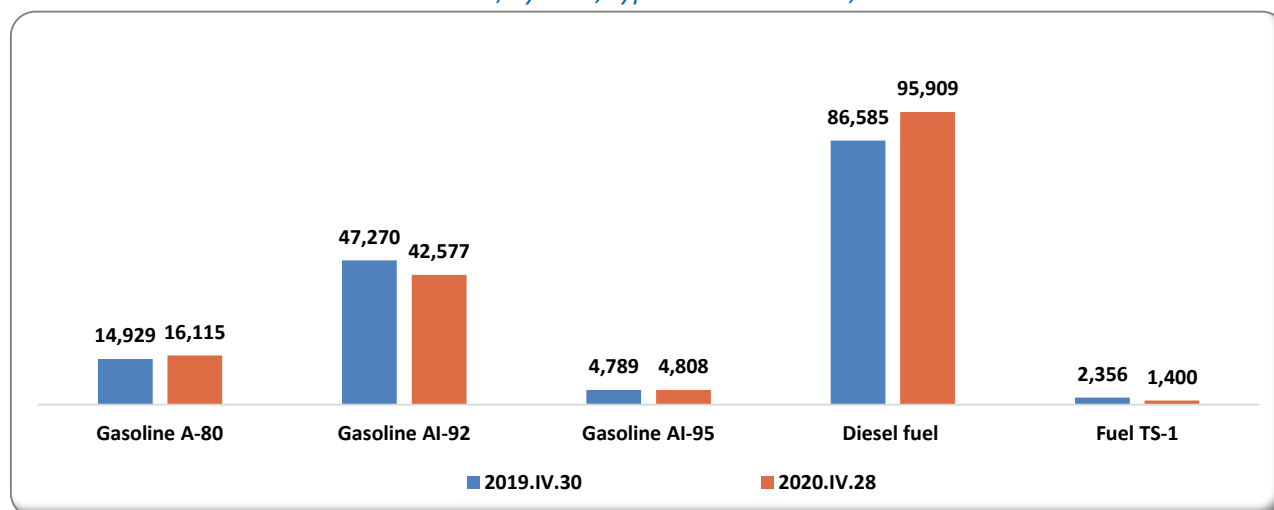
	Production		Export	
	Barrel	Percent	Barrel	Percent
2019	6,876,055	100%	6,546,397	100%
2019.I	586,737	8.5%	533,837	8.2%
2019.II	515,318	7.5%	477,824	7.3%
2019.III	569,607	8.3%	609,105	9.3%
2019.IV	549,449	8.0%	484,692	7.4%
2019.V	565,176	8.2%	521,783	8.0%
2019.VI	575,602	8.4%	549,609	8.4%
2019.VII	601,694	8.8%	548,598	8.4%
2019.VIII	591,121	8.6%	564,567	8.6%
2019.IX	570,280	8.3%	551,501	8.4%
2019.X	613,122	8.9%	619,007	9.5%
2019.XI	579,933	8.4%	539,023	8.2%
2019.XII	558,016	8.1%	546,852	8.4%
2020.I-IV	561,687	100%	487,545	100%
2020.I	375,679	66.9%	287,706	59.0%
2020.II	45,511	8.1%	-	-
2020.III	40,377	7.2%	34,092	7.0%
2020.IV	100,120	17.8%	165,747	34.0%
<u>2020.IV</u> <u>2019.IV</u>	18.2%	-	34.2%	-
<u>2020.I-IV</u> <u>2019.I-IV</u>	25.3%	-	23.2%	-

Source: Petroleum Exploitation Division, MRPAM

5.3. PETROLEUM PRODUCTS IMPORTING, by tons, type, months and 2019-2020

	Total	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique- fied gas	Other
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-IV	537,657	15,458	143,629	8,976	305	270,667	8,745	6,952	82,925
2020.I	196,696	7,103	47,763	4,247	187	113,855	5,088	2,849	15,603
2020.II	108,312	2,380	24,698	1,421	63	55,442	1,145	3,971	19,193
2020.III	103,413	3,184	31,888	2,081	55	40,644	1,556	49	23,956
2020.IV	129,237	2,791	39,280	1,227	-	60,726	957	82	24,173
2020.IV 2019.IV	96.2%	33.3%	111.3%	69.2%	-	84.8%	16.1%	2.0%	340.6%
2020.I-IV 2019.I-IV	89.8%	60.6%	89.5%	133.5%	71.8%	79.5%	56.7%	51.6%	229.9%

5.4. RESIDUE OF PETROLEUM PRODUCTS, by tons, type and 2019.IV.30, 2020.IV.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

	Нью-Йорк / WTI	Лондон / BRENT	ОХУ / URAL S32'	БНХАУ / DAQNG 33'
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.II.04	395.07	416.90	390.98	400.07
2020.II.11	391.48	410.37	378.92	386.33
2020.II.18	402.63	433.09	387.69	404.87
2020.II.21	418.79	444.94	408.52	413.95
2020.III.03	375.32	404.21	328.13	363.28
2020.III.10	257.50	279.23	351.88	252.05
2020.III.17	225.19	238.65	213.03	241.22
2020.III.24	190.47	231.51	169.91	182.77
2020.III.31	161.37	202.64	143.24	163.21
2020.IV.07	209.43	255.82	181.60	202.69
2020.IV.14	177.28	245.19	208.64	210.76
2020.IV.21	1.09	189.49	179.41	169.10
2020.IV.28	91.45	147.78	152.74	106.14
2020.IV.28	56.7%	72.9%	106.6%	65.0%
2020.III.31				
2020.IV.28	18.4%	35.5%	29.9%	22.8%
2019.IV.30				

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 2020.III.31, 2020.IV.28

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2020. III.31	2020. IV.28	$\frac{2020.IV.28}{2020.III.31}$	2020. III.31	2020. IV.28	$\frac{2020.IV.28}{2020.III.31}$	2020. III.31	2020. IV.28	$\frac{2020.IV.28}{2020.III.31}$	2020. III.31	2020. IV.28	$\frac{2020.IV.28}{2020.III.31}$
NATIONAL AVERAGE	1,785	1,505	84.3%	1,863	1,571	84.3%	2,196	2,051	93.4%	2,515	2,230	88.7%
Western region	1,856	1,566	84.4%	1,936	1,646	85.0%	-	-	-	2,454	2,194	89.4%
Bayan-Ulgii	1,780	1,500	84.3%	1,870	1,570	84.0%	-	-	-	2,290	1,990	86.9%
Govi-Altai	1,760	1,460	83.0%	1,850	1,550	83.8%	-	-	-	2,550	2,250	88.2%
Zavkhan	1,950	1,680	86.2%	2,010	1,740	86.6%	-	-	-	2,640	2,340	88.6%
Uvs	1,840	1,540	83.7%	1,920	1,620	84.4%	-	-	-	2,290	2,190	95.6%
Hovd	1,950	1,650	84.6%	2,030	1,750	86.2%	-	-	-	2,500	2,200	88.0%
Hangai region	1,739	1,462	84.1%	1,816	1,519	83.6%	2,182	2,037	93.4%	2,519	2,220	88.1%
Arkhangai	1,760	1,460	83.0%	1,830	1,530	83.6%	2,190	2,040	93.2%	2,550	2,250	88.2%
Bayankhongor	1,800	1,500	83.3%	1,840	1,540	83.7%	-	-	-	2,580	2,280	88.4%
Bulgan	1,680	1,430	85.1%	1,780	1,480	83.1%	2,180	2,040	93.6%	2,470	2,180	88.3%
Uvurkhangai	1,760	1,460	83.0%	1,830	1,530	83.6%	2,190	2,040	93.2%	2,550	2,250	88.2%
Orkhon	1,680	1,390-12.7%	85.1%	1,760	1,480	84.1%	2,180	2,030	93.1%	2,470	2,170	87.9%
Selenge	1,700	1,430	84.1%	1,790	1,490	83.2%	2,180	2,020	92.7%	2,470	2,170	87.9%
Khuvsgul	1,790	1,490	83.2%	1,880	1,580	84.0%	2,170	2,050	94.5%	2,540	2,240	88.2%
Central region	1,730	1,466	84.7%	1,827	1,539	84.2%	2,198	2,057	93.6%	2,516	2,223	88.4%
Ulaanbaatar	1,700	1400-12.4%	85.3%	1740-11.4%	1440-1500	82.8%-83.8%	2,180	2000-21.7%	92.2%	2340-21.7%	2080-2180	88.9%-88.3%
Tuv	1,680	1,380	82.1%	1,720	1,430	83.1%	2,180	2,020	92.7%	2,410	2,110	87.6%
Darkhan	1,700	1,430	84.1%	1,780	1,490	83.7%	2,180	2,030	93.1%	2,470	2,170	87.9%
Govisumber	1,770	1,470	83.1%	1,830	1,530	83.6%	2,230	2,050	91.9%	2,530	2,230	88.1%
Dundgovi	1,750	1,490	85.1%	1,860	1,580	84.9%	2,210	2,050	92.8%	2,490	2,240	90.0%
Dornogovi	1,750	1,490	85.1%	1,850	1,570	84.9%	2,210	2,080	94.1%	2,560	2,260	88.3%
Umnugovi	1,740	1,510	86.8%	1,900	1,600	84.2%	2,180	2,090	95.9%	2,590	2,290	88.4%
Zamin Uud	1,750	1,490	85.1%	1,850	1,570	84.9%	2,210	2,080	94.1%	2,560	2,260	88.3%
Eastern region	1,817	1,527	84.0%	1,873	1,580	84.3%	2,210	2,060	93.2%	2,573	2,283	88.7%
Dornod	1,820	1,520	83.5%	1,880	1,580	84.0%	2,200	2,050	93.2%	2,570	2,270	88.3%
Sukhbaatar	1,820	1,550	85.2%	1,890	1,610	85.2%	2,220	2,080	93.7%	2,580	2,310	89.5%
Khentii	1,810	1,510	83.4%	1,850	1,550	83.8%	2,210	2,050	92.8%	2,570	2,270	88.3%

Source: Petroleum Products Division, MRPAM

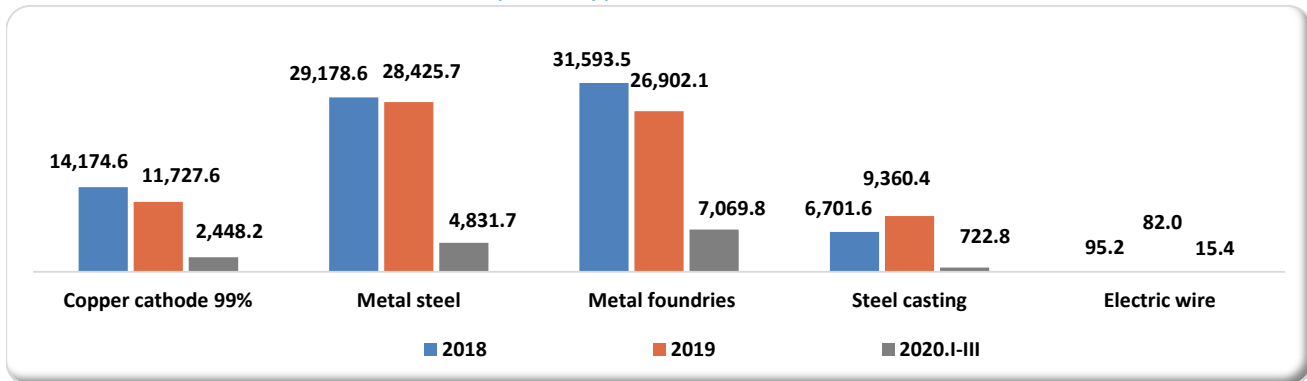
5.7.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type, and end of month 2018-2020

	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.II.21	1847	1925	2260	2524
2020.III.31	1785	1863	2196	2515
2020.IV.28	1505	1571	2051	2230
2020.IV.28 2020.III.31	84.3%	84.3%	93.4%	88.7%
2020.IV.28 2019.IV.30	83.5%	83.3%	91.2%	92.9%
2020.IV.28 2018.V.01	90.3%	86.7%	98.5%	106.7%

Source: Petroleum Products Division, MRPAM

6 | HEAVY INDUSTRY

6.1. HEAVY INDUSTRIAL PRODUCTION, by tons, type and 2017-2020

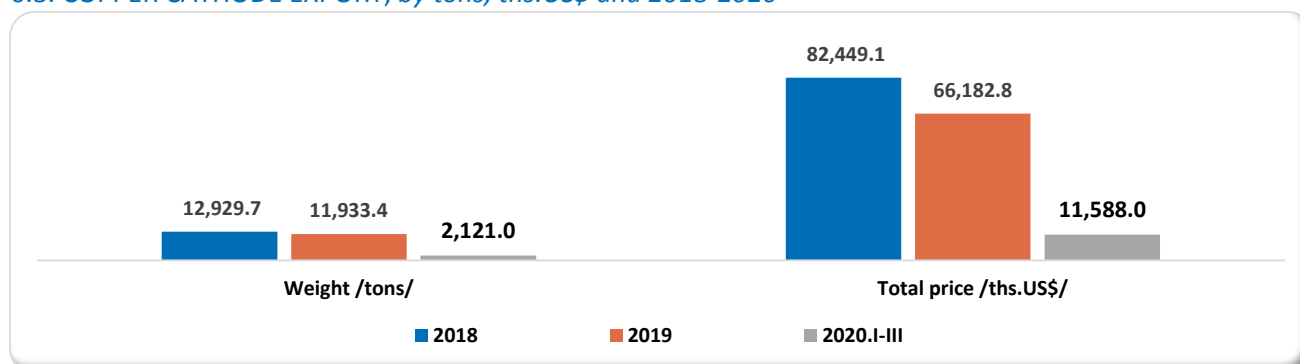


6.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and months 2019-2020

	Copper cathode 99%	Metal steel	Metal foundries	Steel casting	Electric wire
2019	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
2020.I-III	2,448.2	4,831.7	7,069.8	722.8	15.4
2020.I	903.9	2,633.4	3,679.0	722.3	0.1
2020.II	817.3	2,155.7	3,390.8	-	6.6
2020.III	727.0	42.6	-	0.5	8.7
2020.III 2019.III	70.0%	6.8%	-	0.1%	95.6%
2020.I-III 2019.I-III	74.3%	61.8%	93.6%	60.5%	59.2%

Source: Heavy Industry and Technology Division, MRPAM

6.3. COPPER CATHODE EXPORT, by tons, ths.US\$ and 2018-2020



6.4. COPPER CATHODE EXPORT, by tons, ths US\$, month and 2018-2020

	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	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%
2020.I-III	2,121.0	100%	11,588.0	100%
2020.I	-	-	-	-
2020.II	1,160.1	54.7%	6,408.3	55.3%
2020.III	960.9	45.3%	5,179.7	44.7%
2020.III	126.3%	-	108.6%	-
2020.I-III	93.0%	-	84.8%	-

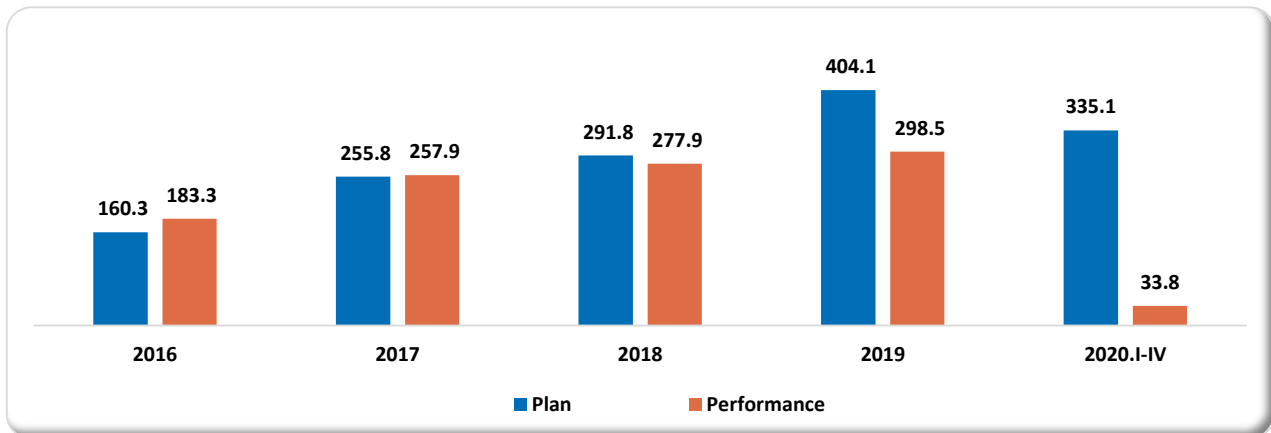
Source: Heavy Industry and Technology Division, MRPAM

7 | STATE BUDGET REVENUE

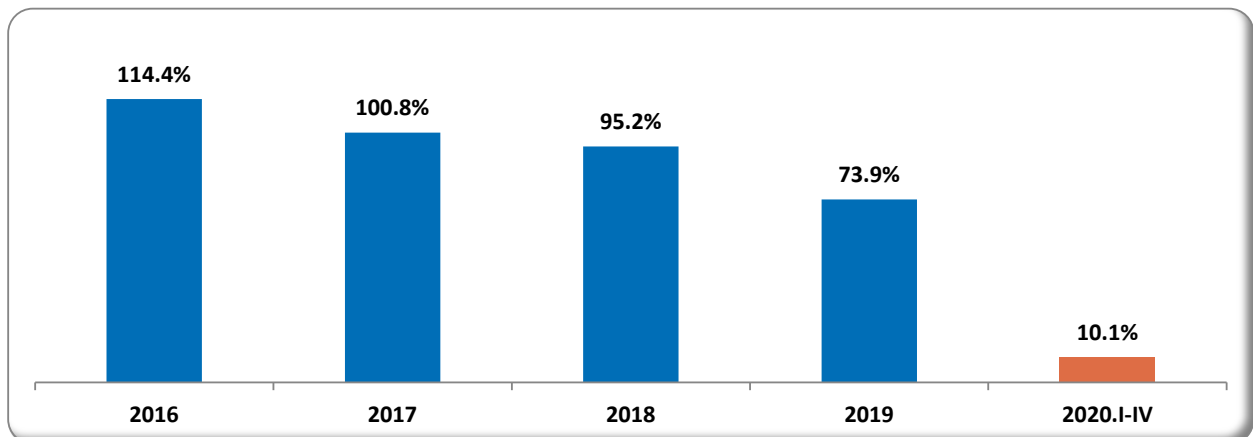
7.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by million.MNT, income type and 2020

	Plan of 2020	2020.I-IV	
		Performance	Performance rate
TOTAL	335,100.0	33,778.1	10.1%
License fee	36,000.0	7,828.2	21.7%
Reimbursement	5,000.0	2,718.9	54.4%
Petroleum export revenue	266,000.0	21,774.6	8.2%
Service revenue (petroleum)	7,473.0	768.1	10.3%
Service revenue (mineral resources)	6,627.0	688.4	10.4%
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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