



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY

MINERAL RESOURCES AND PETROLEUM STATISTICS 2022/12

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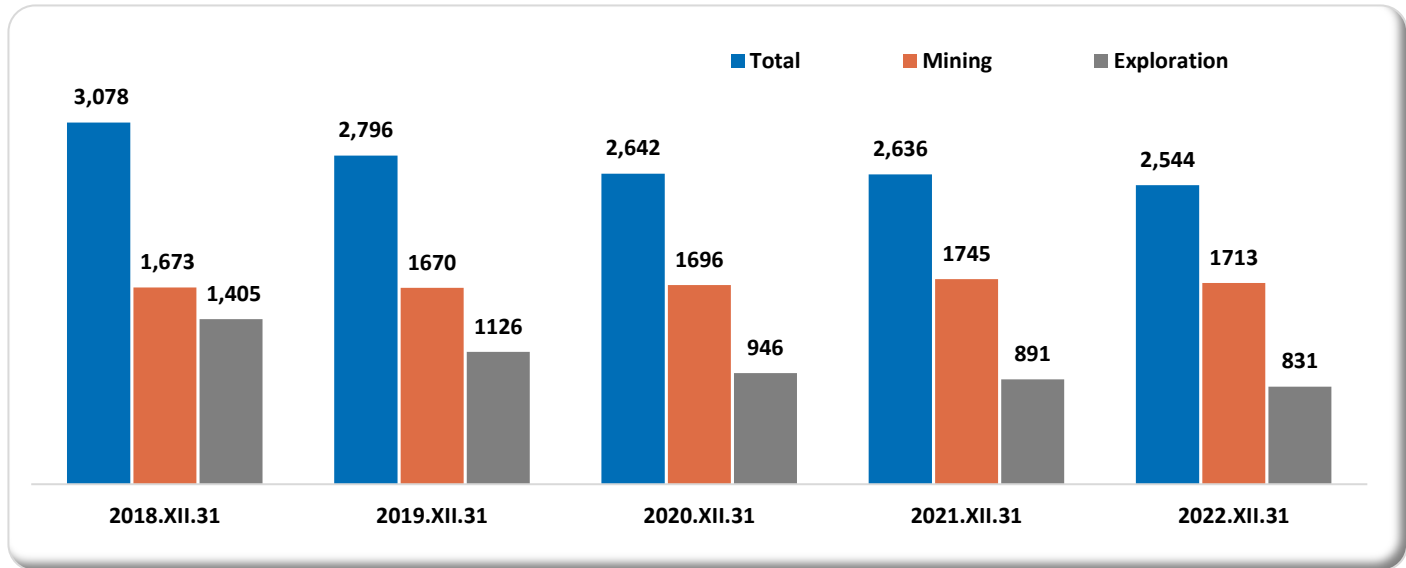
MINING AND EXPLORATION LICENSES

1.1. NUMBER OF VALID LICENSES AND AREA SIZE, 2022.XII.31, by provinces

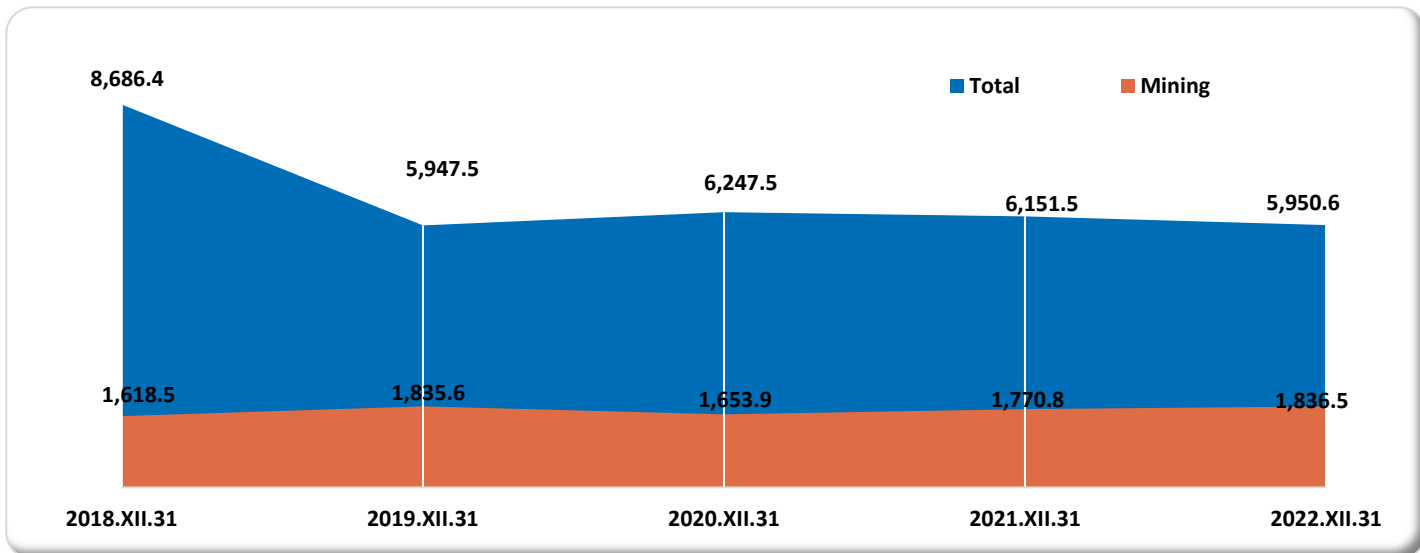
	TOTAL			Of which:					
	Number of licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Number of licenses	Area size /ths.ha/	Percent of total territory	Number of licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2,544	5,950.6	3.8%	1713	1,836.5	1.2%	831	4,114.1	2.6%
Arkhangai	30	29.9	0.5%	21	11.8	0.2%	9	18.0	0.3%
Bayan-Ulgii	68	214.7	4.7%	30	16.7	0.4%	38	198.0	4.3%
Bayankhongor	133	308.7	2.7%	100	167.3	1.4%	33	141.4	1.2%
Bulgan	110	187.9	3.9%	82	41.9	0.9%	28	145.9	3.0%
Govi-Altai	123	527.7	3.7%	60	105.3	0.7%	63	422.4	3.0%
Govisumber	16	44.6	8.1%	13	38.9	7.0%	3	5.8	1.0%
Darkhan Uul	64	13.6	4.2%	61	8.3	2.6%	3	5.3	1.6%
Dornogovi	338	999.9	9.1%	213	268.1	2.5%	125	731.8	6.7%
Dornod	151	526.2	4.3%	73	68.2	0.6%	78	458.0	3.7%
Dundgovi	188	547.9	7.3%	122	182.8	2.4%	66	365.1	4.9%
Zavhan	41	154.3	1.9%	13	21.3	0.3%	28	133.0	1.6%
Orkhon	14	17.6	21.0%	9	10.7	12.7%	5	6.9	8.2%
Uvurkhangai	54	150.9	2.4%	30	18.1	0.3%	24	132.8	2.1%
Umnugovi	156	820.5	5.0%	107	486.1	2.9%	49	334.4	2.0%
Sukhbaatar	87	247.8	3.0%	68	56.1	0.7%	19	191.7	2.3%
Selenge	172	90.5	2.2%	139	47.0	1.1%	33	43.5	1.0%
Tuv	380	349.0	4.7%	304	160.7	2.2%	76	188.3	2.5%
Uvs	98	248.9	3.6%	46	21.2	0.3%	52	227.7	3.3%
Ulaanbaatar	96	10.0	2.1%	92	9.8	2.1%	4	0.2	0.05%
Khuvsgul	21	10.3	0.1%	21	10.3	0.1%	0	0.0	0.0%
Khovd	78	192.0	2.5%	36	29.5	0.4%	42	162.5	2.1%
Khentii	203	257.7	3.2%	128	56.5	0.7%	75	201.3	2.5%

Source: Cadastre Division, MRPAM

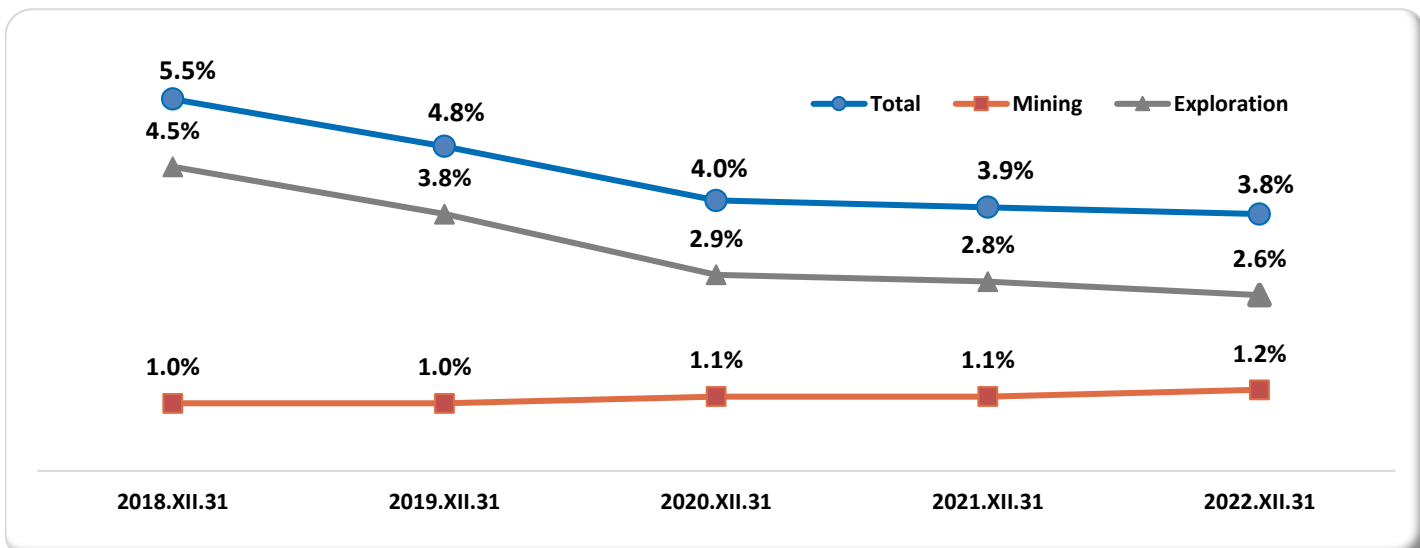
1.2. NUMBER OF TOTAL VALID LICENSES, 2018-2022



1.3. LICENSED AREA, 2018-2022, by thousands.ha



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, 2018-2022



Source: Cadastre Division, MRPAM

1.5. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.XII.31, by type of minerals

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
TOTAL	1713	100%	1,836,487.3	100%
Gold (placer)	462	26.97%	184,223.3	10.03%
Coal	304	17.75%	812,790.0	44.26%
Fluorite	212	12.38%	41,383.6	2.25%
Gold ore	92	5.37%	124,153.1	6.76%
Iron	80	4.67%	48,378.2	2.63%
limestone	79	4.61%	48,643.9	2.65%
Common mineral, Clay	34	1.98%	2,113.6	0.12%
Common mineral, Sand, Gravel	34	1.98%	1,332.2	0.07%
Common mineral, Rock	32	1.87%	9,090.2	0.49%
Tungsten	29	1.69%	9,062.1	0.49%
Gypsum	26	1.52%	8,761.2	0.48%
Concentrated metal	23	1.34%	26,976.6	1.47%
Copper	19	1.11%	86,141.4	4.69%
Common mineral, sand	18	1.05%	1,090.6	0.06%
Tin	14	0.82%	6,797.2	0.37%
Gold (placer), Copper	12	0.70%	85,491.0	4.66%
Clay	11	0.64%	445.7	0.02%
Graphite	10	0.58%	20,141.9	1.10%
Salt	10	0.58%	458.0	0.02%
Molybdenum	9	0.53%	10,513.1	0.57%
Earth rare metal	9	0.53%	7,435.4	0.40%
Copper, Molybdenum	8	0.47%	14,328.3	0.78%
Marble	8	0.47%	7,262.8	0.40%
Uranium	6	0.35%	66,200.9	3.60%
Manganese	6	0.35%	8,500.0	0.46%
Sand stone, Common mineral	6	0.35%	1,426.3	0.08%
Slide the volcano	6	0.35%	886.4	0.05%
Copper, Gold	5	0.29%	8,807.4	0.48%
Molybdenum, Tungsten	5	0.29%	5,047.1	0.27%
Rock	5	0.29%	2,781.0	0.15%
Iron, Zinc	5	0.29%	1,126.4	0.06%
Phosphorus	5	0.29%	800.0	0.04%
Zeolite	5	0.29%	705.0	0.04%

1.5.1. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.XII.31, by type of minerals

(Cont. Table 1.5)

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
Construction Rock	4	0.23%	19,024.8	1.04%
Gold	4	0.23%	6,106.8	0.33%
Tungsten, Tin	4	0.23%	2,833.9	0.15%
Glauberite salt	4	0.23%	1,449.0	0.08%
Silver	4	0.23%	1,050.4	0.06%
Perlit	4	0.23%	771.5	0.04%
Precious stones	4	0.23%	593.2	0.03%
Construction materials	4	0.23%	501.0	0.03%
Sand, Gravel	3	0.18%	21,927.3	1.19%
Gold (placer), Concentrated metal	3	0.18%	17,320.6	0.94%
Gold (placer), Silver	3	0.18%	9,587.7	0.52%
Silicium	3	0.18%	2,793.1	0.15%
Aluminium	3	0.18%	1,370.9	0.07%
Bazalit	3	0.18%	601.5	0.03%
Bitumen	3	0.18%	599.1	0.03%
Common Construction, Clay, Rock	3	0.18%	275.3	0.01%
Granite	2	0.12%	10,699.3	0.58%
Gold ore, Silver	2	0.12%	6,206.0	0.34%
Gold, Copper	2	0.12%	3,158.1	0.17%
Face stone	2	0.12%	2,618.6	0.14%
Gold (placer), Clay, Sand	2	0.12%	2,041.2	0.11%
Zinc	2	0.12%	1,969.8	0.11%
Iron, Concentrated metal	2	0.12%	1,375.3	0.07%
Quartz	2	0.12%	525.4	0.03%
Keramzite Clay	2	0.12%	207.8	0.01%
Common mineral, Keramzite Clay	2	0.12%	183.5	0.01%
Iron, limestone	2	0.12%	168.5	0.01%
Copper, Concentrated metal, Gold, Clay, Sand	1	0.06%	8,489.9	0.46%
Gold, Polymetal	1	0.06%	7,120.6	0.39%
Copper, Molybdenum, Gold	1	0.06%	5,236.0	0.29%
Lithium	1	0.06%	4,720.2	0.26%
Gold ore, Concentrated metal	1	0.06%	4,668.6	0.25%
Concentrated metal, Rock	1	0.06%	4,533.3	0.25%
Copper, Nickel	1	0.06%	4,523.6	0.25%
Iron, Molybdenum	1	0.06%	4,050.1	0.22%
Gold (placer), Gold ore	1	0.06%	3,404.3	0.19%
Graphite, limestone	1	0.06%	3,000.6	0.16%
Copper, Zinc	1	0.06%	2,899.3	0.16%

1.5.2. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.XII.31, by type of minerals

(Cont. Table 1.5)

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
Gold, Copper, Silver	1	0.06%	2,085.6	0.11%
Molybdenum, Rhenium	1	0.06%	1,789.4	0.10%
Coal, Gold (placer)	1	0.06%	1,767.2	0.10%
Concentrated metal, Sand	1	0.06%	1,762.7	0.10%
Coal, Sand, Gravel	1	0.06%	1,444.1	0.08%
Zinc, Silver, Lead	1	0.06%	874.7	0.05%
Common mineral, Construction Rock	1	0.06%	750.8	0.04%
Mica	1	0.06%	596.2	0.03%
Nickel	1	0.06%	524.6	0.03%
limestone, Rock	1	0.06%	435.2	0.02%
Bargilt	1	0.06%	335.0	0.02%
Fluorite, Tungsten	1	0.06%	302.5	0.02%
Bazalit, Common mineral	1	0.06%	277.5	0.02%
Gold (placer), Iron	1	0.06%	251.4	0.01%
Color metal	1	0.06%	227.5	0.01%
Silver, Concentrated metal	1	0.06%	182.8	0.01%
Beryllium	1	0.06%	132.1	0.01%
Agalmatolite, Baryte	1	0.06%	125.7	0.01%
Garnet	1	0.06%	86.3	0.005%
Gold, Clay, Sand	1	0.06%	79.4	0.004%
Sand	1	0.06%	66.7	0.004%
Zeolite, Common mineral	1	0.06%	64.8	0.004%
Red jasper	1	0.06%	49.3	0.003%
Green jasper	1	0.06%	47.5	0.003%
Common mineral, Sand, Gravel, Rock	1	0.06%	39.3	0.002%
Common mineral, Sand, Rock	1	0.06%	38.6	0.002%
Sand, Common mineral	1	0.06%	37.1	0.002%
Gold (placer), Coal	1	0.06%	35.9	0.002%
Common mineral, Sand, Gravel, Rock	1	0.06%	32.1	0.002%
Fluorite, limestone	1	0.06%	26.6	0.001%
Magnesite	1	0.06%	26.5	0.001%
Coal, Clay	1	0.06%	26.4	0.001%
Copper, Common Mineral, Gravel	1	0.06%	26.0	0.001%
Common mineral	1	0.06%	21.3	0.001%
Construction materials, Common mineral	1	0.06%	18.6	0.001%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, давхардсан байдлаар, 2022.XII.31, by mln.га, overlap

	Hectare	Share of total territory
Valid mining licensed area	1.8	1.2%
Valid exploration licensed area	4.1	2.6%
State protected area	33.9	21.7%
Special purpose area	34.2	21.9%
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, 2022.XII.31, by provinces

	Area		Area size	
	Number	Share to total	Hectare	Share to total
TOTAL	262	100%	1063.7	100%
Arkhangai	1	0.4%	4.75	0.4%
Bayan-Ulgii	2	0.8%	53.74	5.1%
Bayankhongor	57	21.8%	152.25	14.3%
Bulgan	29	11.1%	126.36	11.9%
Govi-Altai	1	0.4%	5.71	0.5%
Darkhan Uul	6	2.3%	16.56	1.6%
Dornogovi	2	0.8%	9.57	0.9%
Dornod	2	0.8%	26.25	2.5%
Dundgovi	13	5.0%	104.52	9.8%
Uvurkhangai	20	7.6%	39.71	3.7%
Umnugovi	20	7.6%	86.29	8.1%
Selenge	52	19.8%	220.05	20.7%
Tuv	12	4.6%	78.31	7.4%
Ulaanbaatar	5	1.9%	18.96	1.8%
Khovd	4	1.5%	11.25	1.1%
Khentii	36	13.7%	109.42	10.3%

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, 2022.XII.31

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
БҮГД	1640	2544	5,950,570.5	100%
Mongolian entities	1310	2019	4,429,805.8	74.4%
100% foreign entities	238	374	1,223,231.5	20.6%
Joint foreign entities	92	151	297,533.2	5.0%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, 2022.XII.31, by countries

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
TOTAL	238	374	1,223,231.5	100%
China	130	160	362,737.9	29.65%
Virgin Islands	24	44	80,468.3	6.58%
Hong Kong	14	29	85,448.7	6.99%
Canada	14	24	255,180.8	20.86%
Singapore	13	52	317,418.3	25.95%
South Korea	11	13	17,780.0	1.45%
Russia	4	5	2,490.4	0.20%
Australia	4	4	29,059.9	2.38%
Great Britain	3	4	6,038.7	0.49%
Switzerland	2	3	19,929.2	1.63%
Luxemburg	2	6	13,528.2	1.11%
Holland	2	10	6,620.2	0.54%
Japan	2	3	3,015.1	0.25%
United States of America	2	4	2,442.3	0.20%
Germany	2	2	603.9	0.05%
Bulgaria	1	1	3,700.9	0.30%
Russia, China	1	1	47.5	0.00%
Thailand	1	1	3,027.9	0.248%
Seychelles	1	1	375.2	0.031%
Virgin Islands, Singapore	1	1	1,934.0	0.158%
Malaysia	1	2	2,416.5	0.20%
Russia, South Korea	1	1	118.2	0.01%
Australia, China	1	2	8,795.4	0.719%
Great Britain, China	1	1	54.2	0.004%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, 2022.XII.31, by countries

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
TOTAL	92	151	297,533.2	100%
Mongolia, China	37	50	30,591.4	10.3%
Mongolia, Singapore	11	26	48,714.8	16.4%
Mongolia, South Korea	10	14	27,073.3	9.1%
Mongolia, Russia	8	12	3,929.1	1.3%
Mongolia, Virgin Islands	5	7	24,787.6	8.3%
Mongolia, Japan	5	13	47,640.0	16.0%
Mongolia, Hong Kong	2	7	23,454.2	7.9%
Mongolia, Germany	2	3	5,748.1	1.9%
Mongolia, Czech Republic	2	4	17,911.4	6.0%
Mongolia, Kazakhstan	1	1	1,789.4	0.6%
Mongolia, Bulgaria	1	3	1,083.7	0.4%
Mongolia, Great Britain	1	1	1,472.0	0.5%
Mongolia, Canada, China	1	1	6,352.8	2.1%
Mongolia, Luxemburg	1	2	10,011.2	3.4%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Poland	1	1	1,561.3	0.5%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.49%
Mongolia, Hong Kong, Japan	1	3	43,809.3	14.7%
Mongolia, Hungary	1	1	87.4	0.0%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, 2022.XII.31, by bank and non-bank financial institute

	License		Area	
	Number	Share to total	Hectare	Share to total
TOTAL	233	100%	218,487.9	100%
Trade and Development Bank	45	19.1%	30,350.1	13.9%
Golomt Bank	31	13.2%	23,644.3	10.8%
Development Bank of Mongolia	25	10.6%	18,914.8	8.7%
HAAN Bank	19	8.1%	5,506.3	2.5%
ABTS NBFi	17	7.2%	28,681.7	13.1%
Transport Development bank	10	4.3%	7,238.0	3.3%
Capital Bank	9	3.8%	1,098.2	0.5%
XAC Bank	8	3.4%	2,463.6	1.1%
European Bank for Reconstruction and Development	7	3.0%	2,658.5	1.2%
Chinggis Khan Bank	6	3.0%	2,509.5	1.1%
Capitron bank	6	2.6%	6,471.1	3.0%
Golomt, Saving, Zoos, Anod Banks	6	2.6%	3,277.7	1.5%
Anod Bank	3	2.6%	1,981.0	0.9%
Bank of China	3	1.3%	871.6	0.4%
GSB capital NBFi	3	1.3%	9,884.4	4.5%
Khutult nomgon NBFi	3	1.3%	279.1	0.1%
Bilegnasan NBFi	2	0.9%	32,711.7	15.0%
Erel bank	2	0.9%	150.3	0.1%
National Investment Bank	2	0.9%	3,014.3	1.4%
Ulaanbaatar City bank	2	0.9%	789.7	0.4%
First lithium Corporation NBFi	2	0.9%	17,131.1	7.8%
Great Capital NBFi	2	0.9%	1,180.5	0.5%
State Bank	2	0.9%	271.7	0.1%
National Investment bank	2	0.4%	805.0	0.4%
Saving bank	1	0.4%	1,773.7	0.8%
Export-Import Bank of China	1	0.4%	275.0	0.1%
Ecocapital NBFi	1	0.4%	583.4	0.3%
RUS Finance NBFi	1	0.4%	148.9	0.1%
Jet finance NBFi	1	0.4%	56.8	0.0%
Mongol Post bank	1	0.4%	86.6	0.0%
Turquoise Finance NBFi	1	0.4%	673.4	0.3%
Khas Khaan NBFi	1	0.4%	227.5	0.1%
Standard Chartered Bank	1	0.4%	8,489.9	3.9%
Credit Express NBFi	1	0.4%	235.6	0.1%
Munkh OrshiKh Capital NBFi	1	0.4%	178.1	0.1%
Kherlen Onon Tuul NBFi	1	0.4%	1,767.2	0.8%
Achit Capital NBFi	1	0.4%	9.0	0.0%
Gasprom bank	1	0.4%	368.3	0.2%
Construction commercial investment NBFi	1	0.4%	76.1	0.0%
Bayasakh Sonor NBFi	1	0.4%	1,654.2	0.8%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, 2022.XII.31

No	Name of entity	Number of license	Area size /ha/	Company type	Nationality
1	Mongolrosvetmet	26	15,743.8	mongolian legal entity	Mongolia
2	Mongolyn alt Mak	23	56,979.9	mongolian legal entity	Mongolia
3	Tsaina investment mongolia	15	207,645.0	Entity with 100% foreign investment	Singapore
4	Gatsuurt	15	8,488.1	mongolian legal entity	Mongolia
5	Erdenet	13	126,947.7	mongolian legal entity	Mongolia
6	Burdel mining	13	2,344.4	mongolian legal entity	Mongolia
7	Aurum metals	12	51,968.0	mongolian legal entity	Mongolia
8	Saker Resource Mongolia	12	7,139.8	Joint foreign entities	Mongolia, Singapore
9	Khunnu gobi altai	12	2,206.7	mongolian legal entity	Mongolia
10	Platinum land	11	3,621.3	mongolian legal entity	Mongolia
11	MB Investo	10	29,686.2	mongolian legal entity	Mongolia
12	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore
13	MAK cement	10	3,745.9	mongolian legal entity	Mongolia

1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, 2022.XII.31

No	Name of entity	Number of license	Area size /ha/	Company type	Nationality
1	Tsaina investment mongolia	15	207,645.0	100% foreign invested entity	Singapore
	Erdenet	13	126,947.7	mongolian legal entity	Mongolia
2	Ion energy	2	111,529.2	100% foreign invested entity	Canada

Source: Cadastre Division, MRPAM

1.14. RECEIVED APPLICATION, 2018-2022, by application type

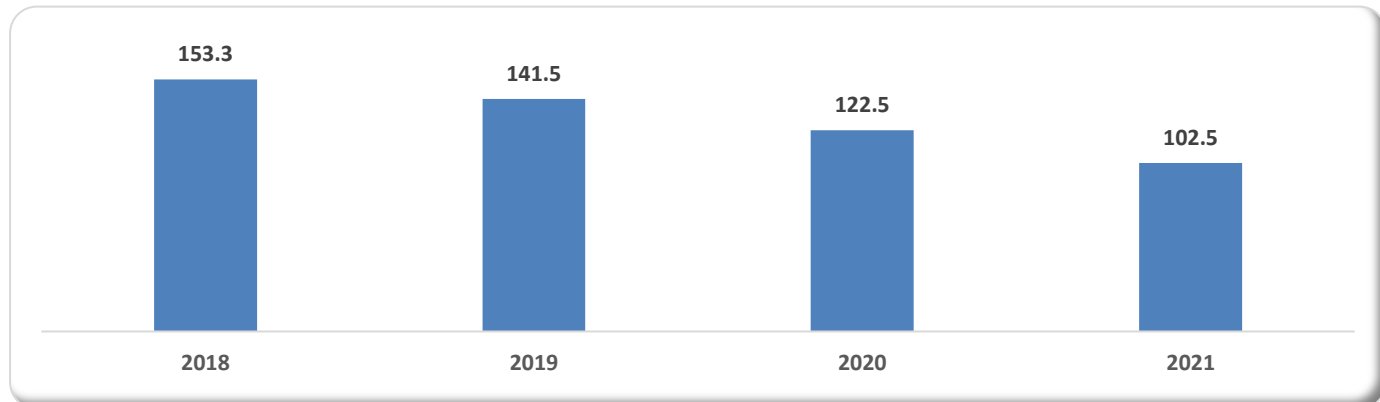
	2018	2019	2020	2021	2022
TOTAL	1187	698	502	943	600
New license	226	218	253	463	247
Mining	78	73	87	47	29
Exploration	0	0	0	0	0
Tender	148	145	166	416	218
Extension	657	273	75	337	224
Mining	0	0	0	1	2
Exploration	657	273	75	336	222
Transfer	157	72	80	76	66
Mining	25	24	32	19	14
Exploration	132	48	48	57	52
Pledge	61	25	28	38	25
Mining	58	24	28	34	22
Exploration	3	1	0	4	3
Surrender	86	110	66	29	38
Mining	12	12	16	6	13
Exploration	74	98	50	23	25

1.15. CHANGES IN LICENSE REGISTRATION, 2018-2022, by license type

	2018	2019	2020	2021	2022
New license	85	130	90	163	93
Mining	61	59	55	54	36
Exploration	5	0	8	0	7
Tender	19	71	27	109	50
Surrendered	91	93	71	26	34
Mining	11	11	16	4	12
Exploration	80	82	55	22	22
Canceled	181	189	140	75	45
Mining	33	70	52	30	20
Exploration	148	119	88	45	25
Expired	209	199	133	120	100
Transferred	172	71	83	74	63
Mining	38	24	35	16	16
Exploration	134	47	48	58	47
Extended	566	300	68	246	291
Pledged	56	23	27	38	22
Mining	53	23	27	34	20
Exploration	3	0	0	4	2
Terminated pledges	27	31	28	16	23
Mining	26	30	28	16	22
Exploration	1	1	0	0	1
Re-issue of license documents	40	27	17	11	6
Mining	13	14	11	5	4
Exploration	27	13	6	6	2

Source: Cadastre Division, MRPAM

2.1. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2018-2021 (2022.X.01)



2.2. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2020-2021 (2022.X.01), by million MNT and type work

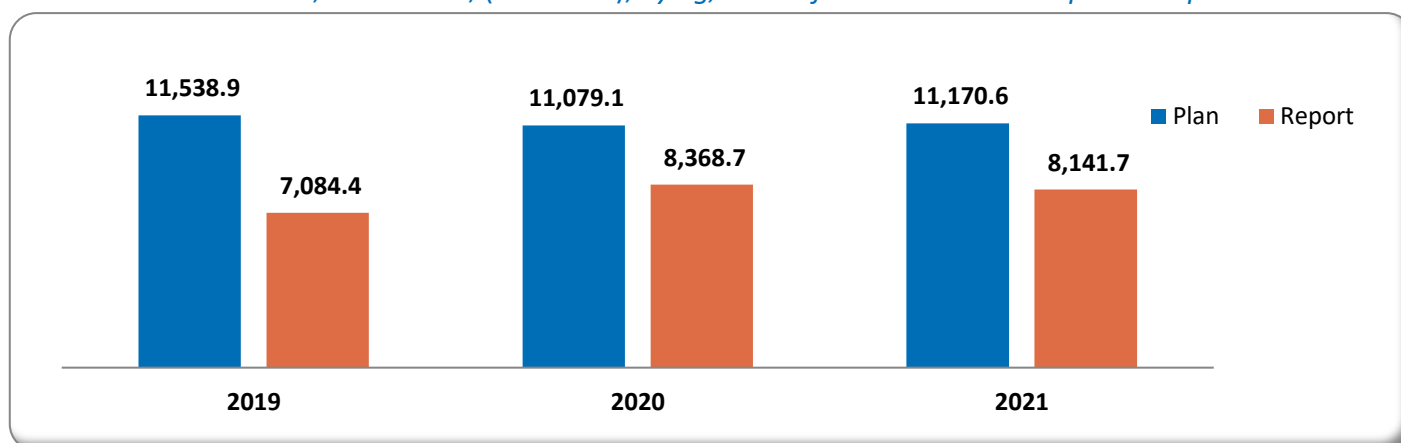
	2020		2021	
	Total amount	Share to total	Total amount	Share to total
TOTAL	122,517.4	100%	102,519.5	100%
Preparation	2,622.5	2.1%	2,827.9	2.8%
Mapping	2,003.8	1.6%	1,581.6	1.5%
Geological survey	1,590.3	1.3%	1,325.4	1.3%
Sampling	875.8	0.7%	1,069.3	1.0%
Geophysical work	6,660.0	5.4%	3,625.7	3.5%
Mining	10,403.5	8.5%	1,219.2	1.2%
Drilling	64,405.0	52.6%	63,058.3	61.5%
Indoor, laboratory investigation	7,068.6	5.8%	3,247.7	3.2%
Laboratory	11,068.0	9.0%	6,811.3	6.6%
Transport	2,300.0	1.9%	3,017.3	2.9%
Topogeodetic work	3,491.7	2.8%	885.6	0.9%
Hydrogeological work	1,048.0	0.9%	992.0	1.0%
Geoecological survey	1,081.7	0.9%	69.7	0.1%
Archeology	570.7	0.5%	354.5	0.3%
Environment reclamation	380.5	0.3%	517.3	0.5%
Field sampling	319.5	0.3%	5,130.4	5.0%
Assume expenses	6,231.9	5.1%	544.4	0.5%
Other	396.0	0.3%	6,241.9	6.1%

Source: Geology and Exploration Division, MRPAM

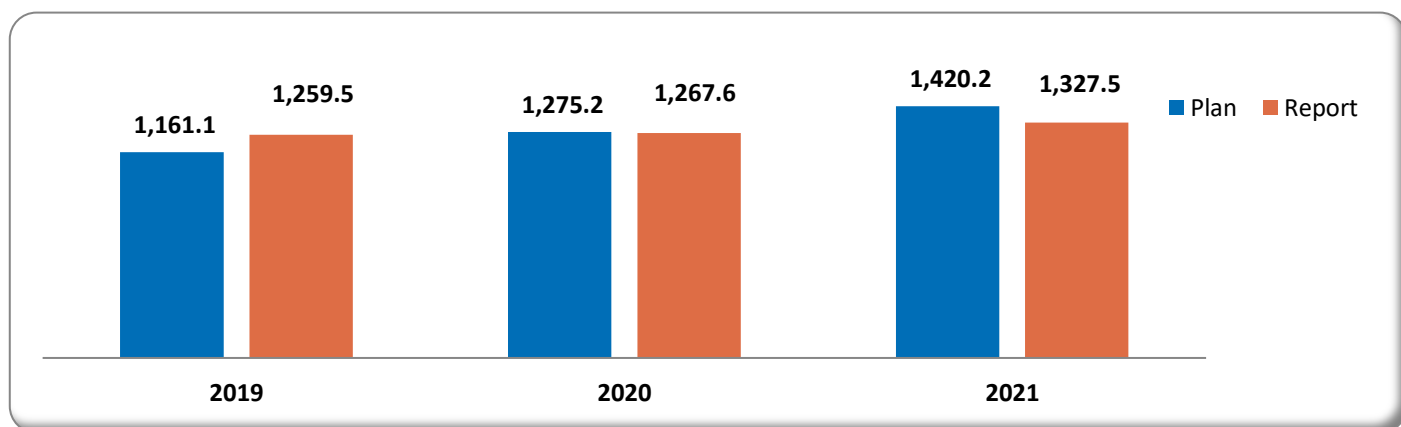
3.1. MINERAL MINING ACTIVITY PLAN AND REPORT OFFICIAL STATUS, 2018-2022, (2023.I.05)

	Plan			Report		
	Submitted	Formal	Formal %	Submitted	Formal	Formal %
2018	488	388	79.5%	278	261	93.9%
2019	515	420	81.6%	288	261	90.6%
2020	491	363	73.9%	252	216	85.7%
2021	523	410	78.4%	277	231	83.4%
2022	505	448	88.7%	-	-	-

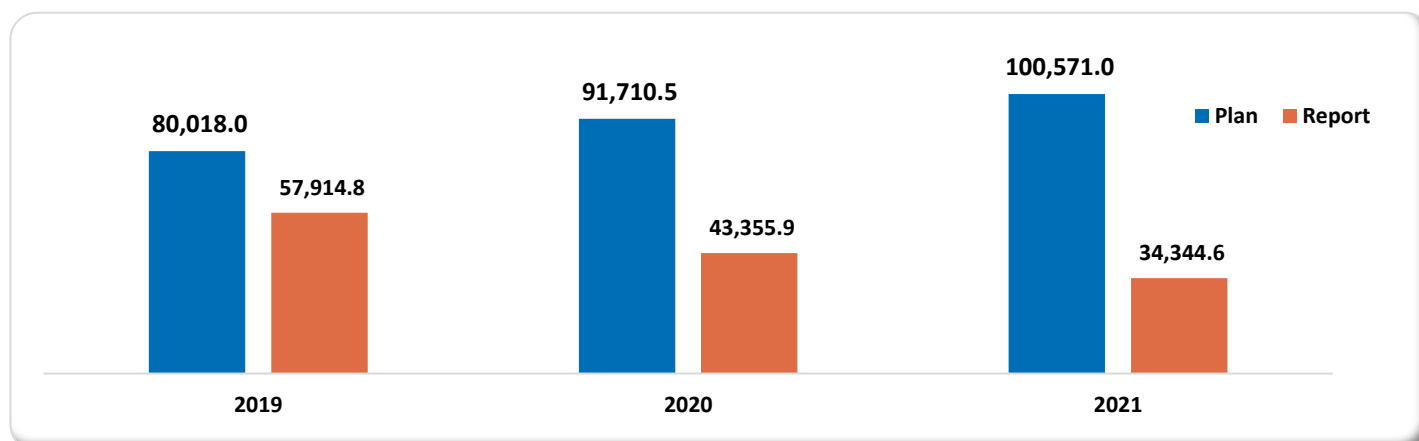
3.2. GOLD PRODUCTION, 2019-2021, (2023.I.12), by kg, mined from hard rock and placer deposits



3.3. COPPER CONCENTRATE PRODUCTION, 2019-2021, (2023.I.12), by ths.tons



3.4. COAL PRODUCTION, 2019-2021, (2022.XII.06), by ths tons



Source: Mining Division, MRPAM

3.5. MINERAL PRODUCTION, 2021-2022 (2023.I.12), by mineral type

	Unit of measurement	2020*		2021*	
		Plan	Report	Plan	Report
Gold (Total)	kg	15,888.9	14,511.1	46,146.6	22,954.5
Gold (Amount of gold that accompanies the concentrate)	kg	4,809.8	6,142.3	34,975.9	14,812.8
Gold (Total amount of gold to be mined from hard rock and placer deposits)	kg	11,079.1	8,368.7	11,170.6	8,141.7
Gold (Amount of gold to be extracted from the hard rock)	kg	4,698.1	3,036.0	4,793.5	3,166.6
Gold (Amount of gold to be mined from placer deposits)	kg	6,381.0	5,332.7	6,377.1	4,975.2
Building materials					
Lime	ths.tons	245.6	48.1	125.7	50.3
Limestone	ths.tons	1,187.7	310.2	1,360.7	506.2
Clinker	ths.tons	814.0	-	26.6	-
Cement	ths.tons	869.2	1,557.0	1,950.0	1,434.9
Mineral powder	ths.tons	-	-	31.0	-
Crystal	ths.tons	61.8	-	6.1	-
Marble	ths.tons	252.9	2.6	256.8	-
Gypsum	ths.tons	166.6	97.9	173.5	111.4
Tungsten	tons	621.7	12.5	1,628.9	-
Copper concentrate	ths.tons	1,275.2	1,267.6	1,420.2	1,327.5
Copper (Cathode)	tons	10.0	7.6	7.8	7.8
Manganese	ths.tons	129.1	-	208.7	-
Molybdenum concentrate	ths.tons	4.7	6.0	5.0	6.3
Silver	-	-	-	-	-
Silver bullion (oblong)	kg	12,761.9	2,946.0	9,890.7	2,471.6
Silver concentrate	ths.tons	194.6	201.5	7.8	3.3
Silver ore	ths.tons	-	-	-	127.3
Amount of silver accompanying the concentrate	kg	65,000.1	27,478.3	73,329.3	76,563.4
Iron	ths.tons	15,220.5	10,090.0	15,166.9	8,418.1
Whole iron concentrate	ths.tons	5,087.5	3,077.0	5,162.5	4,250.7
Iron powder concentrate	ths.tons	6,769.2	2,444.6	7,308.4	2,925.1
Iron ore	ths.tons	3,260.9	2,900.5	1,002.0	1,781.9
Powdered iron ore	ths.tons	103.0	1,668.0	1,694.0	704.8
Uranium Yellow powder	tons	31.4	3.9	29.8	11.2
Amount of uranium in yellow powder	tons	16,450.0	1.3	11.1	4.2
Fluorite	ths.tons	2,207.4	496.1	2,200.7	458.3
Fluorite concentrate AG-97	ths.tons	129.0	14.9	211.5	38.1
Fluorite concentrate AG-95	ths.tons	120.9	51.8	91.4	31.1
Gravitational fluorite МГФ 55-85	ths.tons	-	-	-	8.6
Whole fluorite MG-92	ths.tons	28.2	4.8	46.7	6.0
Whole fluorite MG-85	ths.tons	30.0	1.6	81.9	0.1
Whole fluorite MG-80	ths.tons	12.7	1.8	5.3	0.2
Whole fluorite MG-75	ths.tons	199.9	42.7	222.9	29.8
Whole fluorite MG-65	ths.tons	6.2	32.7	9.5	33.9
Fluorite ore ФП	ths.tons	1,680.4	345.8	1,531.7	310.5
Blue lead	ths.tons	16.4	26.0	17.2	20.7
Polishing stone	ths.tons	-	-	26.8	555.5
Tin	tons	-	-	78.2	-
Zinc	ths.tons	129.6	127.9	112.9	112.4
Zeolite	ths.tons	105.2	-	-	-
Coal production	ths.tons	91,710.5	43,355.9	100,571.0	34,344.6

*-Based on data from the 2021 Mining Report for Minerals other than Common Minerals.

Source: Mining Division, MRPAM

3.6. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2018-2021 (2023.1.05)*

	Unit	2018	2019	2020	2021*
Area covered by mining	ha	7,837.9	7,078.9	8,434.6	3154.9
Area covered by technical rehabilitation	ha	1,767.3	1,927.6	2,069.6	753.7
Of which: External stockpile	ha	1,018.4	1,198.2	1,548.0	251.8
Internal stockpile	ha	748.9	729.8	521.7	502.0
Area covered by biological rehabilitation	ha	790.5	704.8	623.6	596.3
Area of abusive protection rehabilitation	ha	17,459.3	19,144.3	236.6	124,231.8
Area of remodeling the mine and rehabilitation of the village	ha	62.3	57.1	50.5	49.12
Expenses for rehabilitation	bln.MNT	22.2	28.7	21.3	38.1
Environmental expenses	bln.MNT	10.8	15.8	16.8	8.8

3.7. AREA COVERED BY MINING AND REHABILITATION AREA IN 2021, (2023.1.05)* by provinces

	Number of entities	Area covered by mining		Area covered by technical rehabilitation		Area covered by biological rehabilitation	
		Hectare	Share to total	Hectare	Share to total	Hectare	Share to total
TOTAL	217	3,207.6	100%	754.6	100%	444.3	100%
Arkhangai	1	6.6	0.2%	5.6	0.7%	26.0	5.9%
Bayan-Ulgii	1	1.3	0.0%	0.0	0.0%	0.0	0.0%
Bayankhongor	11	27.8	0.9%	34.4	4.6%	1.6	0.4%
Bulgan	12	124.6	3.9%	50.1	6.6%	87.8	19.8%
Govi-Altai	5	14.1	0.4%	0.0	0.0%	0.0	0.0%
Gobisumber	3	6.3	0.2%	5.4	0.7%	7.6	1.7%
Darkhan Uul	12	13.2	0.4%	69.4	9.2%	17.2	3.9%
Dornogovi	22	407.7	12.7%	33.8	4.5%	6.1	1.4%
Dornod	11	26.9	0.8%	36.0	4.8%	24.3	5.5%
Dundgovi	19	52.0	1.6%	14.2	1.9%	2.3	0.5%
Zavkhan	2	13.7	0.4%	13.3	1.8%	10.3	2.3%
Orkhon	2	22.3	0.7%	0.0	0.0%	5.5	1.2%
Uvurkhangai	5	15.0	0.5%	22.8	3.0%	15.2	3.4%
Umnugovi	18	1,725.5	53.8%	36.4	4.8%	25.2	5.7%
Sukhbaatar	15	51.3	1.6%	63.4	8.4%	4.8	1.1%
Selenge	16	224.0	7.0%	56.2	7.4%	38.0	8.6%
Tuv	38	357.9	11.2%	304.5	40.3%	168.1	37.8%
Uvs	4	8.3	0.3%	1.3	0.2%	0.6	0.1%
Ulaanbaatar	1	0.0	0.0%	0.0	0.0%	0.5	0.1%
Khovd	3	93.1	2.9%	0.0	0.0%	1.1	0.2%
Khentii	16	16.1	0.5%	7.9	1.0%	2.0	0.5%

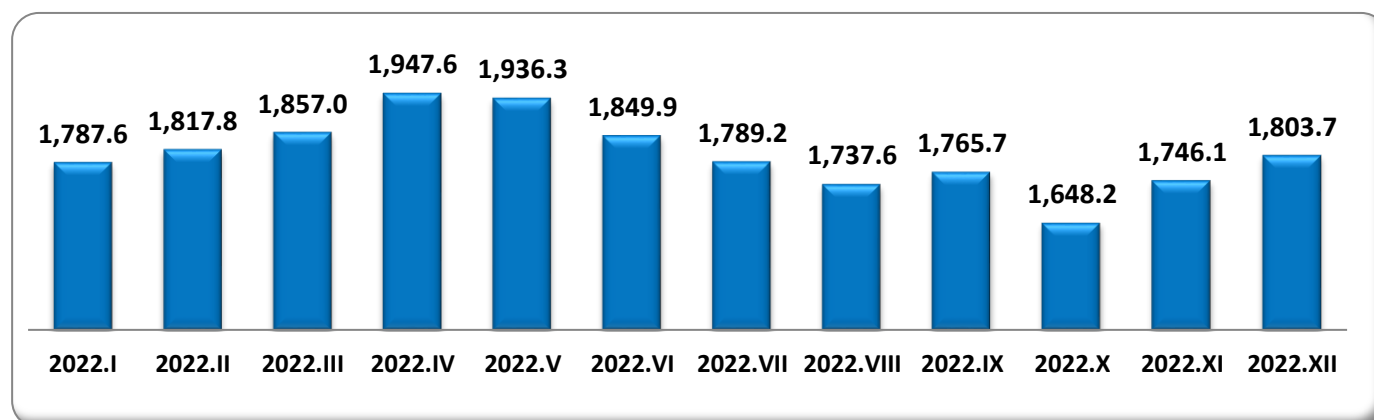
Based on data from the 2021 Mining Report for Minerals Other than Common Minerals.

Source: Mining Division, MRPAM

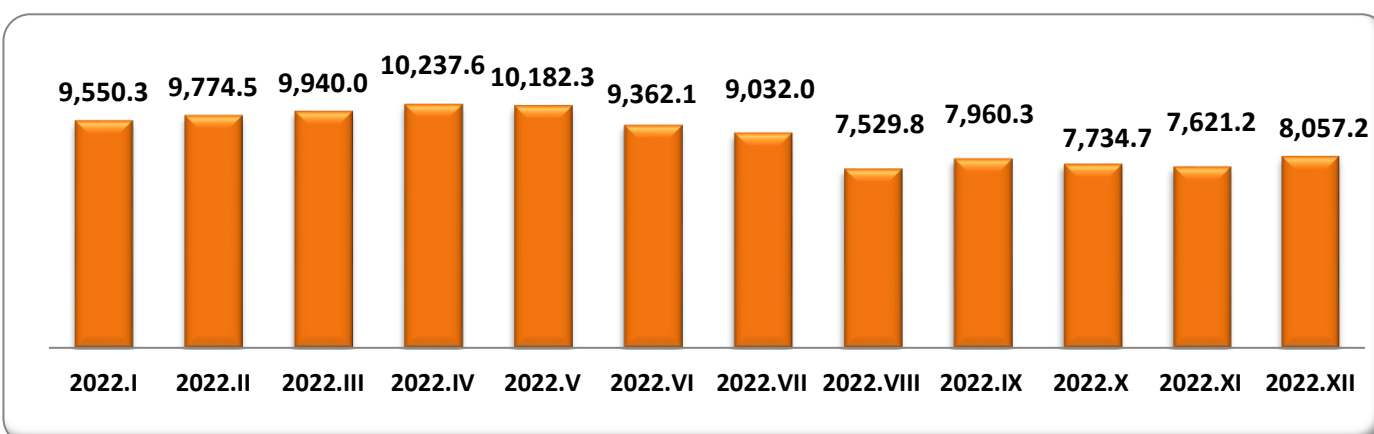
3.8. AVERAGE PRICES OF MINERALS ON THE WORLD MARKET, 2021-2022

	Unit of measurement	2021.XII	2022.XI	2022.XII	<u>2022.XII</u> 2021.XII	<u>2022.XII</u> 2022.XI
Gold	\$/ounce	1,820.3	1,746.1	1,803.7	99.1%	103.3%
Silver	\$/ounce	24.2	18.3	19.9	82.1%	108.3%
Copper	\$/tons	9,764.6	7,621.2	8,057.2	82.5%	105.7%
Zinc	\$/tons	3,316.7	2,959.8	2,923.5	88.1%	98.8%
Blue lead	\$/tons	2,347.0	1,989.2	2,099.8	89.5%	105.6%
Tin	\$/tons	39,307.2	19,406.2	21,136.4	53.8%	108.9%
Molybdenum	\$/tons	41,826.7	41,667.4	42,527.2	101.7%	102.1%
Manganese 36%	\$/tons	201.0	172.3	170.8	85.0%	99.2%
Tungsten, 99%	\$/tons	41,840.0	39,470.0	39,000.0	93.2%	98.8%
Tungsten, 65%	\$/tons	16,951.2	15,155.3	15,084.8	89.0%	99.5%
Iron ore 56%	\$/tons	57.2	69.4	69.1	120.8%	99.6%
Iron ore 60% concentrate	\$/tons	82.7	83.7	83.1	100.6%	99.4%
Fluorite concentrate AG-97	\$/tons	320.0	362.4	362.4	113.2%	100.0%
Fluorite ore MG-85	\$/tons	275.0	355.0	355.0	129.1%	100.0%
Uranium	\$/kg	100.9	-	-	-	-

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

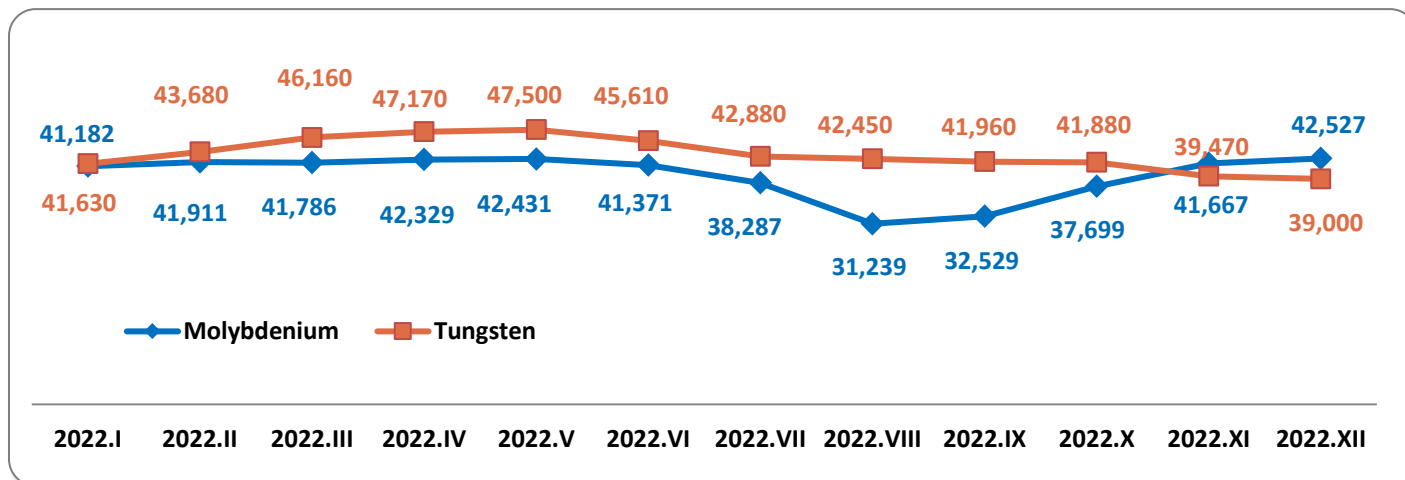


3.10. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, in last 12 months, by US\$/tons

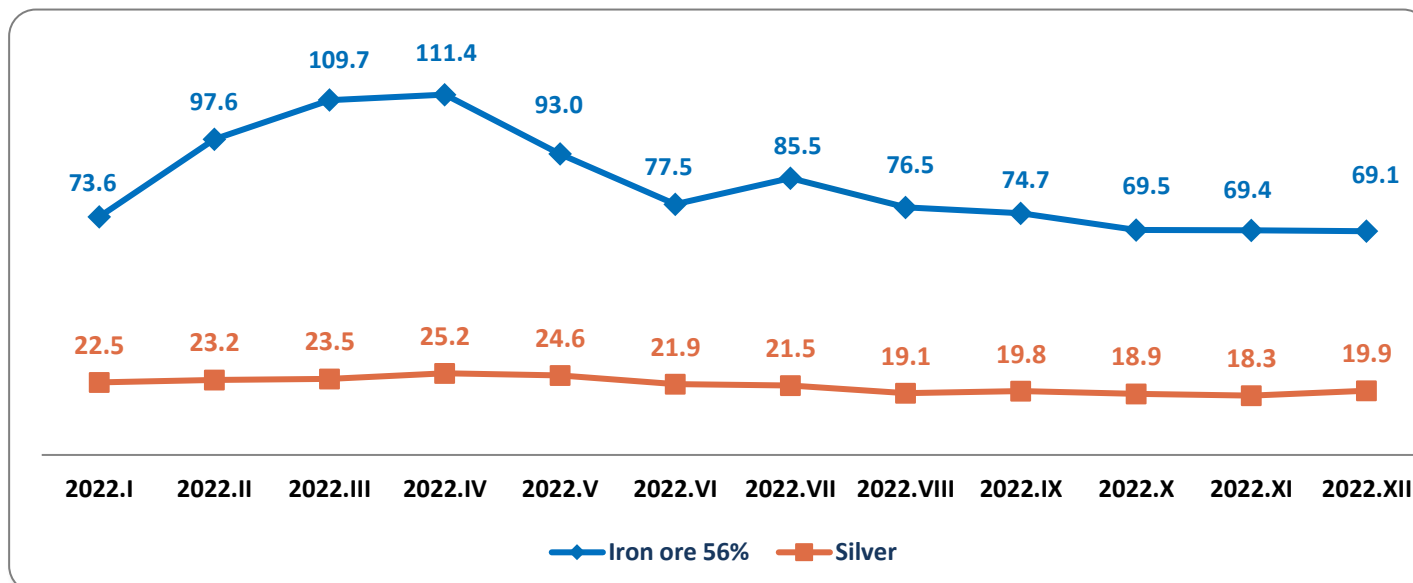


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com, www.sxcoal.com

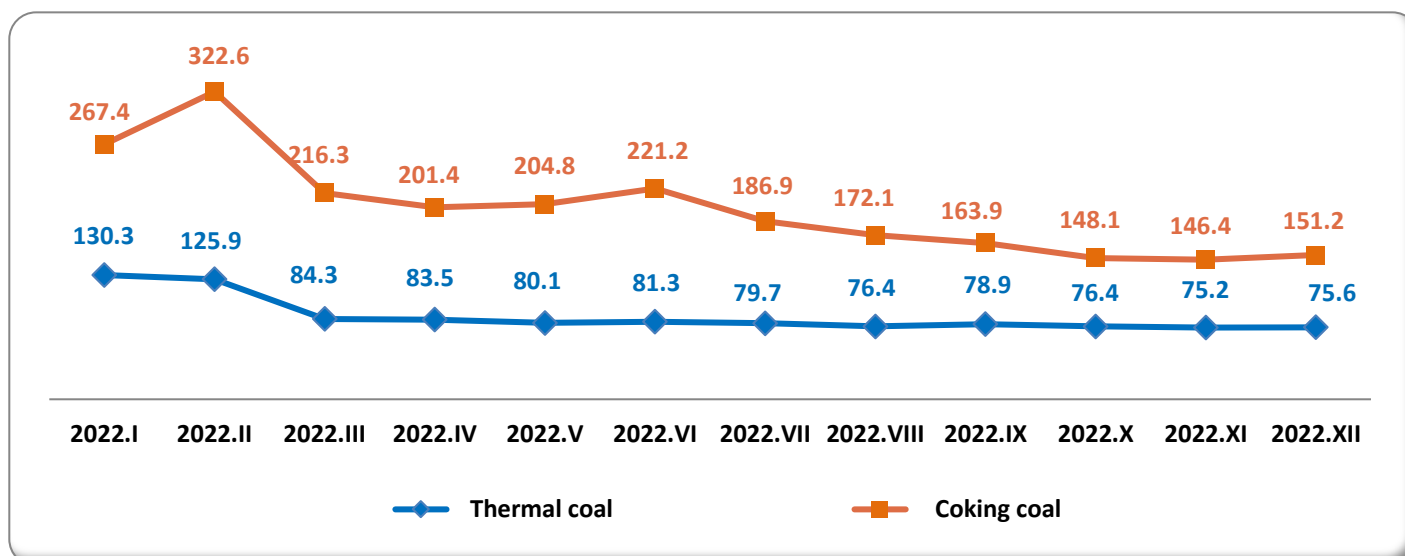
3.11. AVERAGE PRICE OF TIN, MOLYBDENIUM AND TUNGSTEN ON THE WORLD MARKET, in last 12 months, by US\$/tons



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



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



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

3.14. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2022

	Stock exchange	Symbol	Currency	Average price						Market value /2023.I.02/
				2021	2021.XII	2022.XI	2022.XII	<u>2022.XII</u> 2021.XII	<u>2022.XII</u> 2022.XI	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	15.3	15.45	31.11	31.41	203.3%	101.0%	6.381B
Peabody Energy Corporation	NYQ	BTU	USD	8.74	10.02	28.12	28.80	287.4%	102.4%	3.802B
Rio Tinto plc	LSE	RIO.L	GBp	5,599.4	4793.2	5,236.3	5,706.6	119.1%	109.0%	94.561B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	1.03	1.13	1.1	1.0	88.5%	92.6%	180.601M
Mongolian Mining Corporation	HKG	0975.HK	HKD	2.29	1.77	1.87	1.99	112.4%	106.4%	2.133B
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.32	1.19	1.06	1.09	91.6%	102.8%	277.043M
Centerra Gold Inc.	TOR	CG.TO	CAD	10.6	9.21	6.78	6.97	75.7%	102.8%	1.545B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.4	0.42	0.28	0.28	66.7%	100.0%	98.125M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.8	0.81	1.07	1.16	143.2%	108.4%	227.66M
Silver Elephant Mining Corp.	TOR	ELEF.TO	CAD	0.33	0.28	0.54	0.43	153.6%	79.6%	11.622M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.82	1.18	1.01	1.06	89.8%	105.0%	78.501M
Kincora Copper Limited	VAN	KCC.V	CAD	0.21	0.12	0.06	0.06	50.0%	100.0%	9.086M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.148	0.13	0.05	0.04	29.9%	80.0%	3.803M
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.07	0.03	0.03	0.03	100.0%	100.0%	42.368M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.086	0.08	0.08	0.07	87.5%	87.5%	35.535M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	-	0.15	0.13	-	86.7%	7.214M
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.038	0.05	0.05	0.05	111.1%	111.1%	-
TerraCom Limited	ASX	TER.AX	AUD	0.14	0.18	0.84	0.89	494.4%	106.0%	743.552M
Viking Mines Limited	ASX	VKA.AX	AUD	0.03	0.02	0.01	0.01	50.0%	100.0%	10.253M
Banpu Public Company Limited	SET	BANPU.BK	THB	11.83	10.71	12.75	13.52	126.2%	106.0%	115.822B
Petro Matad Limited	LSE	MATD.L	GBp	3.89	2.79	1.83	3.14	112.5%	171.6%	40.669M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-
Elixir Energy Limited	ASX	EXR.AX	AUD	0.26	0.21	0.17	0.17	81.0%	100.0%	136.866M

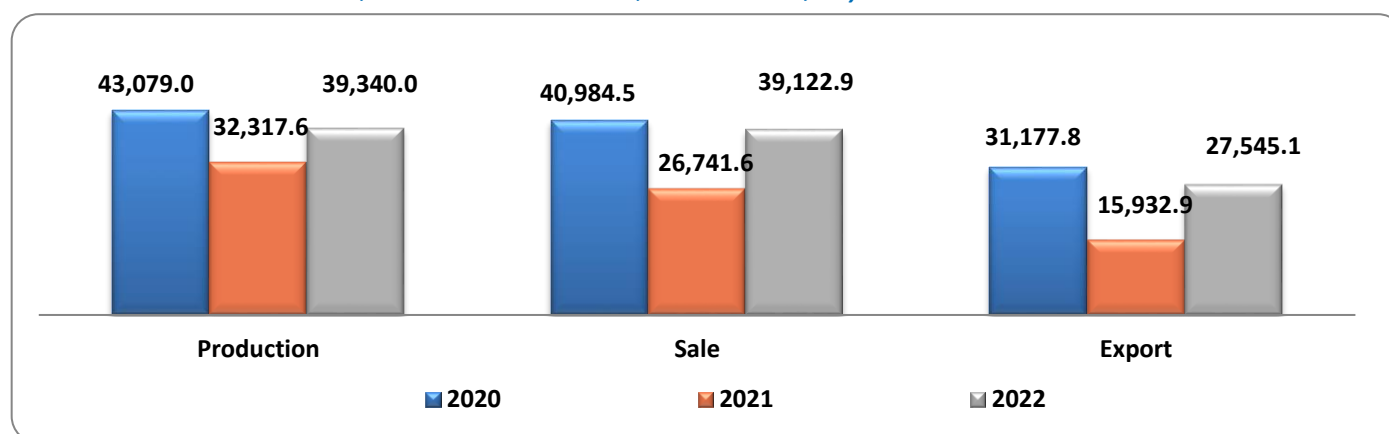
Source: www.nyse.com, www.londonstockexchange.com, www.hkex.com.hk, www.tmx.com, www.tsx.com, www.asx.com.au, www.set.or.th

3.15. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2022

	Symbol	Average price					
		2021	2021.XII	2022.XI	2022.XII	<u>2022.XII</u> 2021.XII	<u>2022.XII</u> 2022.XI
Tavantolgoi	TTL	7,328.4	7,417.7	8,303.6	8,153.1	109.9%	98.2%
Baganuur	BAN	1,021.9	1,178.1	827.3	1,054.5	89.5%	127.5%
Shivee-Ovoo	SHV	1,580.3	1,900.0	1,612.5	1,746.3	91.9%	108.3%
Aduunchuluun	ADL	805.1	831.4	809.5	797.1	95.9%	98.5%
Shariin Gol	SHG	833.1	789.0	500.0	500.0	63.4%	100.0%
Erdene Resource Development Corporation	ERDN	840.1	902.0	700.7	714.9	79.3%	102.0%
Mogoin gol	BDL	8,195.8	10,000.0	9,166.7	8,100.5	81.0%	88.4%
Bayanteeg	BTG	20,764.3	23,000.0	-	20,000.0	87.0%	-
Berkh-Uul	BEU	1,168.7	-	1,200.0	1,483.5	-	123.6%
Khar Tarvagatai	TVT	2,398.1	3,850.0	3,960.0	4,890.0	127.0%	123.5%
Taliin Gal	TAL	-	-	-	-	-	-
Mongol Basalt	MBW	163.6	174.0	211.3	213.0	122.4%	100.8%
Mongol Ceramic	KEK	15,557.5	15,200.0	1,400.0	1,110.0	7.3%	79.3%
Silikat	SIL	31.4	44.9	-	20.0	44.5%	-
Songolon barmat	SSG	1,572.8	1,280.0	-	1,162.5	90.8%	-
Remicon	RMC	23.3	23.7	28.3	31.6	133.2%	111.7%
Arig Tal	EER	2,309.9	3,062.5	2,831.4	2,944.1	96.1%	104.0%
Niislel-Urguu	NUR	1,959.8	-	-	-	-	-
Erchim Bayan-Ulgii	BOE	1,784.9	2,210.8	2,687.5	2,891.7	130.8%	107.6%
Khukh Gan	HGN	62.9	65.1	33.5	39.5	60.7%	117.9%
Nako Tulsh	NKT	15.2	25.5	-	-	-	-

Source: www.mse.mn

3.16. COAL PRODUCTION, SALE AND EXPORT, 2020-2022, by ths.tons



3.17. COAL PRODUCTION, SALE AND EXPORT, 2021-2022, by ths.tons

	Production	Sale	Export
2021	32,317.6	26,741.6	15,932.9
2021.I	4,877.2	4,395.0	3,285.4
2021.II	4,207.7	3,550.4	2,612.1
2021.III	3,742.7	3,359.0	2,493.1
2021.IV	2,962.8	1,895.0	1,205.2
2021.V	2,031.4	1,425.0	850.4
2021.VI	1,478.9	1,432.5	841.5
2021.VII	1,687.1	1,597.1	1,085.2
2021.VIII	1,415.2	1,431.5	718.1
2021.IX	1,769.8	1,421.2	562.0
2021.X	2,835.3	1,929.9	725.0
2021.XI	2,725.8	2,467.0	985.9
2021.XII	2,583.7	1,838.0	569.0
2022	39,340.0	39,122.9	27,545.1
2022.I	2,163.5	1,636.2	443.1
2022.II	1,626.4	1,571.1	503.1
2022.III	2,046.8	1,949.1	981.6
2022.IV	2,344.6	1,427.2	680.0
2022.V	1,923.6	1,433.9	832.1
2022.VI	2,129.5	2,287.1	1,757.4
2022.VII	2,304.8	2,936.1	2,434.6
2022.VIII	3,601.9	3,821.1	3,083.2
2022.XI	4,249.4	4,941.4	3,849.9
2022.X	5,128.2	5,295.3	3,954.4
2022.XI	5,417.9	5,530.4	4,181.5
2022.XII	6,403.4	6,294.0	4,844.2
<u>2022.XII</u> 2021.XII	247.8%	342.4%	851.4%
<u>2021</u> 2021	121.7%	146.3%	172.9%

Source: Mining Division, MRPAM

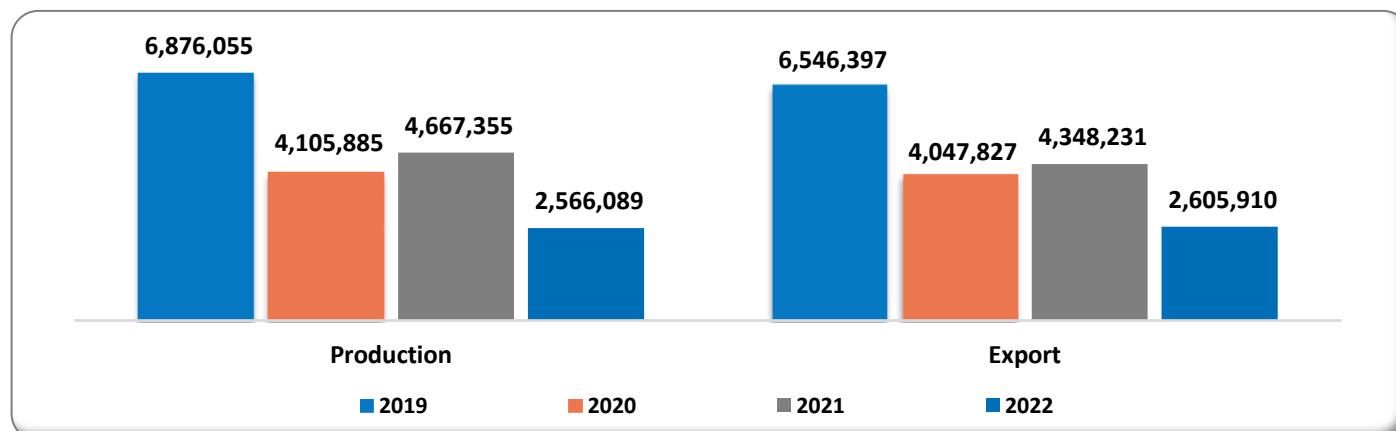
3.18. AVERAGE QUALITY OF EXPORTED COAL, 2022.XI

Type of coal	Classification	Border name	Deposit name	Gelification index	Volatile matter	Ash	Sulfur value	Total moisture	Calorific value
				GI	V ^{daf} %	A ^d %	S _t ^d %	W ^t %	Q ^{ar} kcal/kg
Antracite	<i>Antracite</i>								
	Antracite	Khangji	Ikh govi Energy	-	-	-	-	-	-
Raw coal	<i>Coal</i>								
	Coking	Khangji	Erdenes tavan tolgoi	87.6	27.6	16.8	1.0	2.6	6815
		Gahsuun sukhait	Erdenes tavan tolgoi	85.3	28.1	17.6	1.0	2.1	6519
			Tavan tolgoi	-	-	-	-	-	-
	Weak coking	Khangji	Dadiin khar tolgoi	-	-	-	-	-	-
		Gahsuun sukhait	Tavan tolgoi	-	-	-	-	-	-
		Zamiin uud	Mogoin gol	-	-	-	-	-	-
		Shivee Khuren	Baruun Noyon	-	-	-	-	-	-
			Khuren shand	-	-	-	-	-	-
	Non coking	Khangji		-	-	-	-	-	-
		Gahsuun sukhait	Erdenes tavan tolgoi	0.0	30.7	20.9	0.7	7.1	5564
		Shivee Khuren	Khuren shand	-	-	-	-	-	-
			Baruun Noyon	-	-	-	-	-	-
			MAK	-	-	-	-	-	-
	<i>Washed coal</i>								
	Coking	Gahsuun sukhait	Ukhaa Khudag	-	-	-	-	-	-
		Khangji	Ail bayan	-	-	-	-	-	-
		Yarant	Tefis mining /Khuut/	-	-	-	-	-	-
			Mo En Co	-	-	-	-	-	-
	Weak coking	Gashuun sukhait	Baruun naran	-	-	-	-	-	-
Shivee Khuren			-	-	-	-	-	-	
Coke, semi-coke	Gahsuun sukhait	Tavan tolgoi trans	-	-	-	-	-	-	
Other	Zamiin uud	Dalan	-	-	-	-	-	-	
		Friend ship	-	-	-	-	-	-	
		Achir/Alag togoo	-	-	-	-	-	-	
		Alag togoo	-	-	-	-	-	-	
		Gantig house	-	-	-	-	-	-	
		Goviin shandast khuleg	-	-	-	-	-	-	
		Khuut /Khuuchin and/	-	-	-	-	-	-	
		Zelter	-	-	-	-	-	-	
		Tsetsens minig	-	-	-	-	-	-	
		Khuut /Big mogul/	-	-	-	-	-	-	
		Shariin gol	-	-	-	-	-	-	
	Bichigt	Erdeniin olz	-	-	-	-	-	-	
Coal	Zamiin uud	Tsaidam nuur	-	-	-	-	-	-	
		Khovil	-	-	-	-	-	-	
		Andiin ilch	-	-	-	-	-	-	
		Bilegt bayalag	-	-	-	-	-	-	
	Bichigt	Olgoi bulag	-	-	-	-	-	-	
		Khuut buman olz	-	-	-	-	-	-	
		Badmaarag khash	-	-	-	-	-	-	
		Erdeniin bosgo	-	-	-	-	-	-	

Source: Central Laboratory of Mining and Petroleum, MRPAM

4 | PETROLEUM

4.1. PETROLEUM PRODUCTION AND EXPORT, 2019-2022, by barrel



4.2. PETROLEUM PRODUCTION AND EXPORT, 2021-2022, by barrel

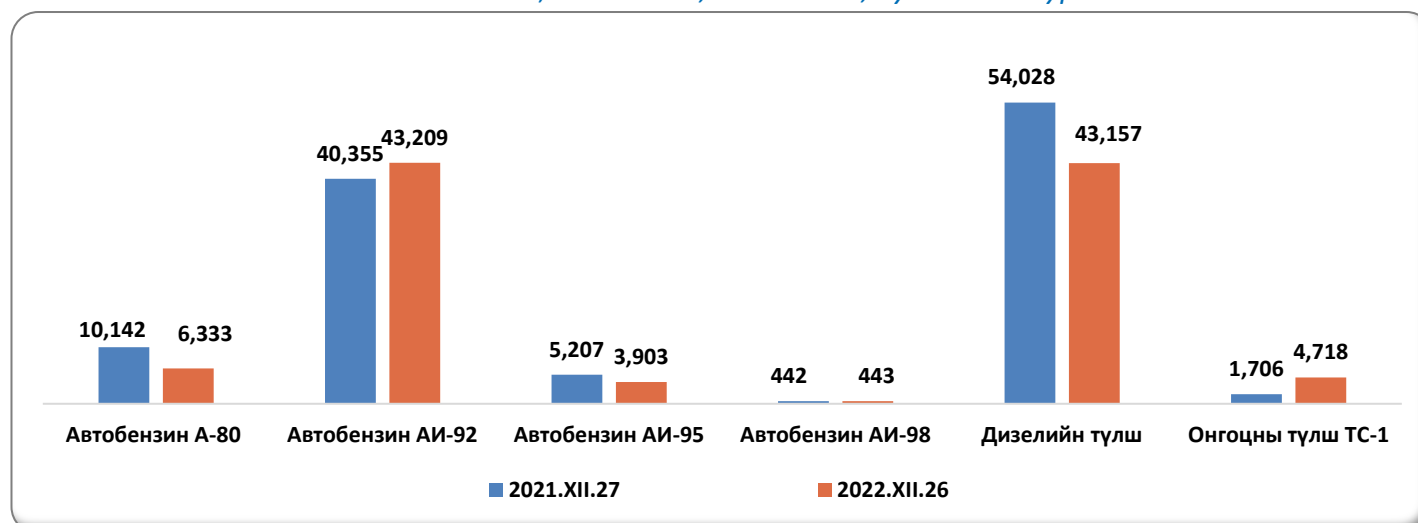
	Production		Export	
	Barrel	Share to total	Barrel	Share to total
2021	4,667,355	100%	4,348,231	100%
2021.I	527,156	11.3%	518,973	11.9%
2021.II	469,647	10.1%	435,559	10.0%
2021.III	511,305	11.0%	466,990	10.7%
2021.IV	496,623	10.6%	468,414	10.8%
2021.V	504,353	10.8%	487,367	11.2%
2021.VI	482,461	10.3%	480,475	11.0%
2021.VII	501,112	10.7%	425,415	9.8%
2021.VIII	414,776	8.9%	341,637	7.9%
2021.IX	51,634	1.1%	81,278	1.9%
2021.X	284,781	6.1%	329,572	7.6%
2021.XI	389,883	8.4%	312,552	7.2%
2021.XII	33,623	0.7%	-	-
2022	2,566,089	100.0%	2,605,910	100.0%
2022.I	17,544	0.7%	-	-
2022.II	9,921	0.4%	-	-
2022.III	9,257	0.4%	-	-
2022.IV	1,001	0.0%	-	-
2022.V	1,290	0.1%	-	-
2022.VI	38,184	1.5%	114,102	4.4%
2022.VII	351,008	13.7%	359,232	13.8%
2022.VIII	457,301	17.8%	492,619	18.9%
2022.IX	424,986	16.6%	428,311	16.4%
2022.X	417,283	16.3%	364,645	14.0%
2022.XI	410,196	16.0%	432,823	16.6%
2022.XII	428,119	16.7%	414,179	15.9%
2022.XII	1273.3%	-	-	-
2022	55.0%	-	59.9%	-
2021				

Source: Petroleum Exploitation Division, MRPAM

4.3. PETROLEUM PRODUCTS IMPORTING, 2021-2022, by tons and type

	Total	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique-fied gas	Other
2021	1,806,874	58,628	490,045	27,672	1,292	976,273	28,797	22,731	201,436
2021.I	165,861	3,434	42,658	1,055	169	103,943	3,587	1,403	9,612
2021.II	121,367	3,511	25,866	1,316	61	74,722	3,113	470	12,308
2021.III	152,830	5,152	28,294	986	183	82,158	6,037	377	29,642
2021.IV	131,984	4,241	16,839	1,829	62	78,651	1,583	438	28,340
2021.V	104,381	5,076	26,219	2,427	61	52,253	2,073	318	15,954
2021.VI	167,237	7,994	31,340	1,656	123	99,393	1,713	526	24,492
2021.VII	170,998	3,787	46,758	571	-	90,549	1,993	243	27,098
2021.VIII	154,815	4,236	56,744	5,066	-	80,081	832	3,515	4,340
2021.IX	112,997	4,960	33,935	118	-	63,885	562	1,898	7,640
2021.X	130,991	436	43,728	5,109	119	65,044	1,789	1,929	12,836
2021.XI	203,881	10,129	83,990	3,513	462	86,292	4,200	6,370	8,924
2021.XII	189,533	5,672	53,674	4,025	51	99,303	1,314	5,245	20,250
2022	1,875,343	32,514	616,611	22,462	183	962,468	56,949	43,376	140,781
2022.I	139,456	1,229	39,498	1,769	-	83,809	1,805	2,030	9,317
2022.II	138,921	4,187	63,713	1,244	-	58,792	1,492	2,904	6,588
2022.III	133,828	4,821	55,620	3,876	122	53,989	2,396	3,433	9,571
2022.IV	114,043	2,254	24,945	3,391	61	61,773	11,553	3,276	6,791
2022.V	172,740	2,382	59,583	1,949	-	83,553	4,245	3,850	17,178
2022.VI	187,104	4,036	48,840	2,075	-	98,140	6,807	3,237	23,969
2022.VII	136,573	741	51,376	1,271	-	66,379	1,901	2,990	11,915
2022.VIII	166,937	6,911	44,534	1,559	-	90,955	4,277	9,289	9,413
2022.IX	153,678	1,292	40,452	1,209	-	79,785	8,062	2,058	20,821
2022.X	164,335	932	62,672	2,008	-	85,633	3,579	1,598	7,913
2022.XI	175,240	2,891	73,324	905	-	83,260	6,915	4,414	3,531
2022.XII	192,488	840	52,053	1,205	-	116,402	3,915	4,299	13,772
2022.XII 2021.XII	101.6%	14.8%	97.0%	29.9%	-	117.2%	298.0%	82.0%	68.0%
2022 2021	103.8%	55.5%	125.8%	81.2%	14.2%	98.6%	197.8%	190.8%	69.9%

4.4. RESIDUE OF PETROLEUM PRODUCTS, 2021.XII.27, 2022.XII.26, by tons and type



Source: Petroleum Products Division, MRPAM

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

	New York / WTI			London / BRENT		
	Price		Change (compared to previous 7 days)	Price		Change (compared to previous 7 days)
2022/01/03	76.08	↑	0.33%	78.98	↑	0.47%
2022/01/10	78.23	↑	2.83%	80.87	↑	2.39%
2022/01/17	83.69	↑	6.98%	86.48	↑	6.94%
2022/01/24	83.31	↓	-0.45%	86.27	↓	-0.24%
2022/01/31	88.15	↑	5.81%	91.21	↑	5.73%
2022/02/07	91.41	↑	3.70%	92.95	↑	1.91%
2022/02/14	93.5	↑	2.29%	95.78	↑	3.04%
2022/02/21	92.65	↓	-0.91%	95.39	↓	-0.41%
2022/02/28	95.72	↑	3.31%	100.99	↑	5.87%
2022/03/07	119.4	↑	24.74%	123.21	↑	22.00%
2022/03/14	103.01	↓	-13.73%	106.9	↓	-13.24%
2022/03/21	112.12	↑	8.84%	115.62	↑	8.16%
2022/03/28	105.96	↓	-5.49%	112.48	↓	-2.72%
2022/04/04	103.28	↓	-2.53%	107.53	↓	-4.40%
2022/04/11	94.29	↓	-8.70%	98.48	↓	-8.42%
2022/04/18	108.21	↑	14.76%	113.16	↑	14.91%
2022/04/25	98.54	↓	-8.94%	102.29	↓	-9.61%
2022/05/02	105.17	↑	6.73%	107.58	↑	5.17%
2022/05/09	103.09	↓	-1.98%	105.94	↓	-1.52%
2022/05/16	114.2	↑	10.78%	114.24	↑	7.83%
2022/05/23	110.29	↓	-3.42%	110.78	↓	-3.03%
2022/05/31	114.67	↑	3.97%	118.2	↑	6.70%
2022/06/07	119.4	↑	4.12%	120.46	↑	1.91%
2022/06/13	118.67	↓	-0.61%	120.22	↓	-0.20%
2022/06/21	110.42	↓	-6.95%	115.83	↓	-3.65%
2022/06/28	111.34	↑	0.83%	115.83	→	0.00%
2022/07/05	110.14	↓	-1.08%	113.31	↓	-2.18%
2022/07/19	98.59	↓	-10.49%	105.39	↓	-6.99%
2022/07/26	98.27	↓	-0.32%	101.95	↓	-3.26%
2022/08/02	94.28	↓	-4.06%	100.38	↓	-1.54%
2022/08/09	92.11	↓	-2.30%	98.16	↓	-2.21%
2022/08/16	88.59	↓	-3.82%	93.96	↓	-4.28%
2022/08/23	91.97	↑	3.82%	97.86	↑	4.15%
2022/08/30	96.94	↑	5.40%	102.64	↑	4.88%
2022/09/06	89.03	↓	-8.16%	95.44	↓	-7.01%
2022/09/13	88.05	↓	-1.10%	94.03	↓	-1.48%
2022/09/20	85.15	↓	-3.29%	91.81	↓	-2.36%
2022/09/27	76.86	↓	-9.74%	83.04	↓	-9.55%
2022/10/04	83.44	↑	8.56%	88.7	↑	6.82%
2022/10/11	91.06	↑	9.13%	96.22	↑	8.48%
2022/10/18	84.84	↓	-6.83%	91.98	↓	-4.41%
2022/10/25	84.92	↑	0.09%	91.56	↓	-0.46%
2022/11/01	87.06	↑	2.52%	94.83	↑	3.57%
2022/11/08	91.96	↑	5.63%	97.94	↑	3.28%
2022/11/15	85.64	↓	-6.87%	93.22	↓	-4.82%
2022/11/22	80.17	↓	-6.39%	87.82	↓	-5.79%
2022/11/29	77.22	↓	-3.68%	84.05	↓	-4.29%
2022/12/06	77.39	↑	0.22%	83.01	↓	-1.24%
2022/12/13	73.75	↓	-4.70%	78.53	↓	-5.40%
2022/12/20	75.87	↑	2.87%	80.1	↑	2.00%
2022/12/27	80.02	↑	5.47%	84.98	↑	6.09%

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.

4.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2021.XII.28, 2022.XII.27 by MNT/litre, provinces,

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2021. XII.28	2022. XII.27	2022.XII.27 2021.XII.28	2021. XII.28	2022. XII.27	2022.XII.27 2021.XII.28	2021. XII.28	2022. XII.27	2022.XII.27 2021.XII.28	2021. XII.28	2022. XII.27	2022.XII.27 2021.XII.28
NATIONAL AVERAGE PRICE	2,370	2,532	106.9%	2,397	2,552	106.5%	2,864	4,029	140.7%	2,883	4,004	138.9%
Ulaanbaatar	2,200	2,370	107.7%	2,220	2,390	107.7%	2,790	3,910	140.1%	2,890	3,850	133.2%
Western region	2,674	2,802	104.8%	2,700	2,818	104.4%	-	4,150	-	2,826	4,180	147.9%
Bayan-Ulgii	2,680	2,680	100.0%	2,700	2,700	100.0%	-	4,000	-	2,700	4,140	153.3%
Govi-Altai	2,600	2,780	106.9%	2,630	2,800	106.5%	-	4,150	-	2,890	4,270	147.8%
Zavkhan	2,690	2,870	106.7%	2,720	2,890	106.3%	-	4,200	-	2,890	4,200	145.3%
Uvs	2,700	2,880	106.7%	2,730	2,900	106.2%	-	4,200	-	2,850	4,140	145.3%
Hovd	2,700	2,800	103.7%	2,720	2,800	102.9%	-	4,200	-	2,800	4,150	148.2%
Hangai region	2,322	2,492	107.3%	2,352	2,512	106.8%	2,906	4,047	139.3%	2,898	3,985	137.5%
Arkhangai	2,300	2,480	107.8%	2,330	2,500	107.3%	2,890	4,040	139.8%	2,900	3,970	-
Bayankhongor	2,330	2,510	107.7%	2,360	2,530	107.2%	-	4,050	-	2,890	4,130	142.9%
Bulgan	2,320	2,470	106.5%	2,350	2,490	106.0%	2,930	4,040	137.9%	2,890	3,910	135.3%
Uvurkhangai	2,270	2,450	107.9%	2,300	2,470	107.4%	2,890	4,030	139.4%	2,890	4,020	139.1%
Orkhon	2,320	2,470	106.5%	2,350	2,490	106.0%	2,890	4,040	139.8%	2,890	3,910	135.3%
Khuvsgul	2,390	2,570	107.5%	2,420	2,590	107.0%	2,930	4,080	139.2%	2,930	3,970	135.5%
Central region	2,307	2,479	107.4%	2,343	2,499	106.6%	2,870	4,010	139.7%	2,906	3,947	135.8%
Tuv	2,240	2,420	108.0%	2,270	2,440	107.5%	2,810	3,980	141.6%	2,840	3,940	138.7%
Darkhan	2,270	2,450	107.9%	2,300	2,470	107.4%	2,870	4,020	140.1%	2,890	3,910	135.3%
Selenge	2,340	2,480	106.0%	2,370	2,500	105.5%	2,890	4,030	139.4%	2,890	3,910	135.3%
Govisumber	2,270	2,460	108.4%	2,310	2,480	107.4%	2,870	4,010	139.7%	2,920	3,940	134.9%
Dundgovi	2,330	2,510	107.7%	2,360	2,530	107.2%	2,870	4,010	139.7%	2,930	3,960	135.2%
Dornogovi	2,350	2,500	106.4%	2,410	2,520	104.6%	2,890	4,030	139.4%	2,970	3,980	134.0%
Umnugovi	2,350	2,530	107.7%	2,380	2,550	107.1%	2,890	3,990	138.1%	2,900	3,990	137.6%
Eastern region	2,347	2,520	107.4%	2,370	2,540	107.2%	2,890	4,030	139.4%	2,893	4,057	140.2%
Dornod	2,350	2,510	106.8%	2,360	2,530	107.2%	2,890	4,030	139.4%	2,800	4,100	146.4%
Sukhbaatar	2,370	2,550	107.6%	2,400	2,570	107.1%	2,930	4,070	138.9%	2,990	4,110	137.5%
Khentii	2,320	2,500	107.8%	2,350	2,520	107.2%	2,850	3,990	140.0%	2,890	3,960	137.0%

Source: Petroleum Products Division, MRPAM

4.7. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2020-2022, by MNT/litre and type

	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
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.V.26	1443	1511	1878	2076
2020.VI.30	1443	1507	1878	1976
2020.VII.28	1463	1506	2078	2137
2020.VIII.25	1507	1550	2078	2123
2020.IX.29	1467	1543	2079	1980
2020.X.27	1463	1545	2078	1985
2020.XI.24	1457	1536	2077	1983
2020.XII.28	1455	1534	2077	1976
2021.I.26	1483	1559	2083	2025
2021.II.23	1492	1560	2174	2112
2021.III.30	1505	1563	2183	2123
2021.IV.27	1508	1563	2183	2123
2021.V.31	1513	1545	2163	2233
2021.VI.29	1513	1545	2313	2262
2021.VII.27	1812	1846	2418	2352
2021.VIII.31	2112	2144	2513	2545
2021.IX.28	2129	2161	2702	2545
2021.X.26	2150	2181	2608	2541
2021.XI.29	2256	2303	2759	2778
2021.XII.28	2370	2397	2864	2883
2022.I.31	2370	2416	2855	2836
2022.III.01	2419	2464	2954	2924
2022.III.29	2516	2560	3144	3117
2022.IV.26	2517	2561	3353	3369
2022.V.31	2517	2561	3351	3425
2022.VI.28	2994	2559	4000	3736
2022.VII.26	2996	2559	4341	4045
2022.VIII.30	2525	2558	4025	3736
2022.IX.27	2525	2554	4030	3587
2022.XI.01	2532	2552	4037	3771
2022.XI.29	2532	2552	4029	3962
2022.XII.27	2532	2552	4029	4004
<u>2022.XII.27</u>				
<u>2022.XI.29</u>	100.0%	100.0%	100.0%	101.1%
<u>2022.XII.27</u>				
<u>2021.XII.28</u>	106.8%	106.5%	140.7%	138.9%
<u>2022.XII.27</u>				
<u>2020.XII.28</u>	174.0%	166.4%	194.0%	202.6%

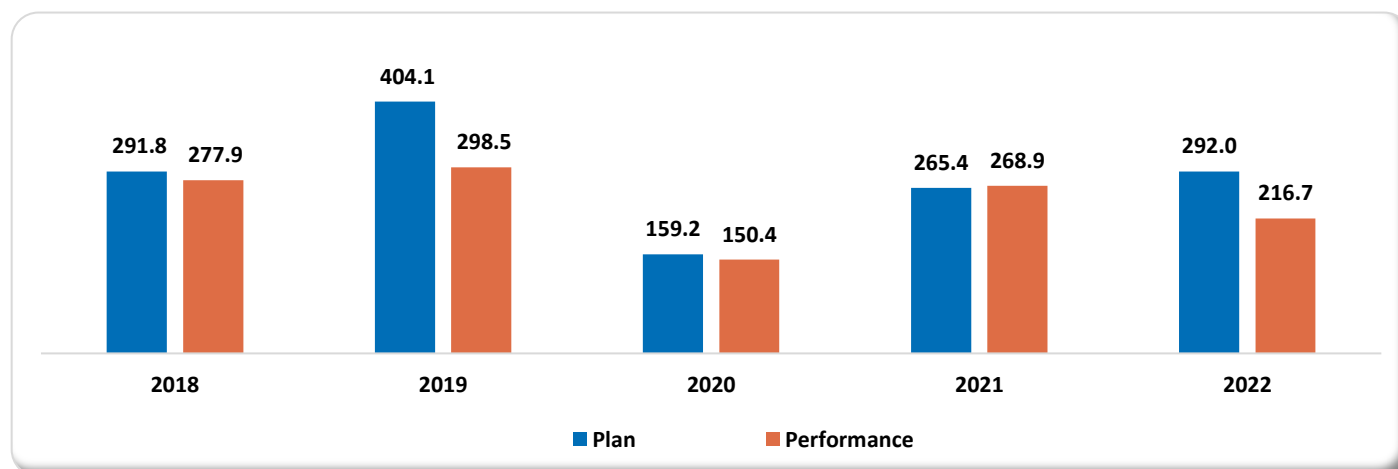
Source: Petroleum Products Division, MRPAM

5 | STATE BUDGET REVENUE

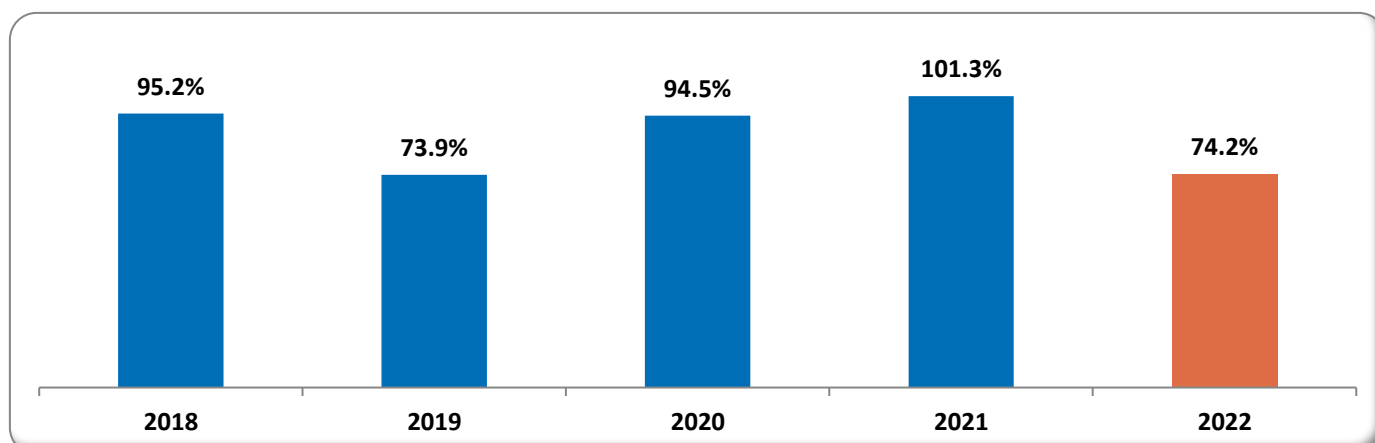
5.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, 2022, by million.MNT and income type

	Plan (2022)	2022	
		Performance	Performance rate
TOTAL	291,997.0	216,745.2	74.2%
License fee	31,400.0	35,598.5	113.4%
Reimbursement	17,500.0	1,966.8	11.2%
Petroleum export revenue	215,447.0	160,996.1	74.7%
Service revenue (petroleum)	1,630.0	2,257.8	138.5%
Service revenue (mineral resources)	1,020.0	1,383.0	135.6%
Tender revenue	25,000.0	14,543.0	58.2%

5.2. BUDGET REVENUE OF MRPAM, 2018-2022, by billion MNT



5.3. BUDGET PERFORMANCE RATE OF MRPAM, 2018-2022



Source: Finance and Investments Division, MRPAM



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