



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS 2023/11

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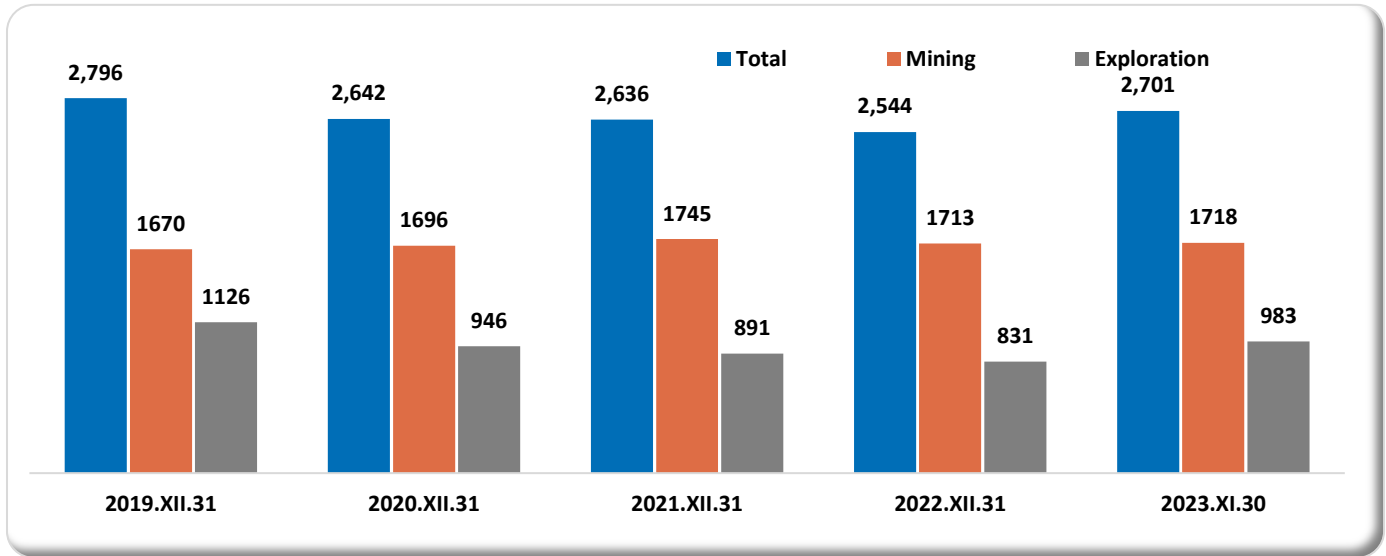
1 | MINING AND EXPLORATION LICENSES

1.1. NUMBER OF VALID LICENSES AND AREA SIZE, 2023.XI.30, by provinces

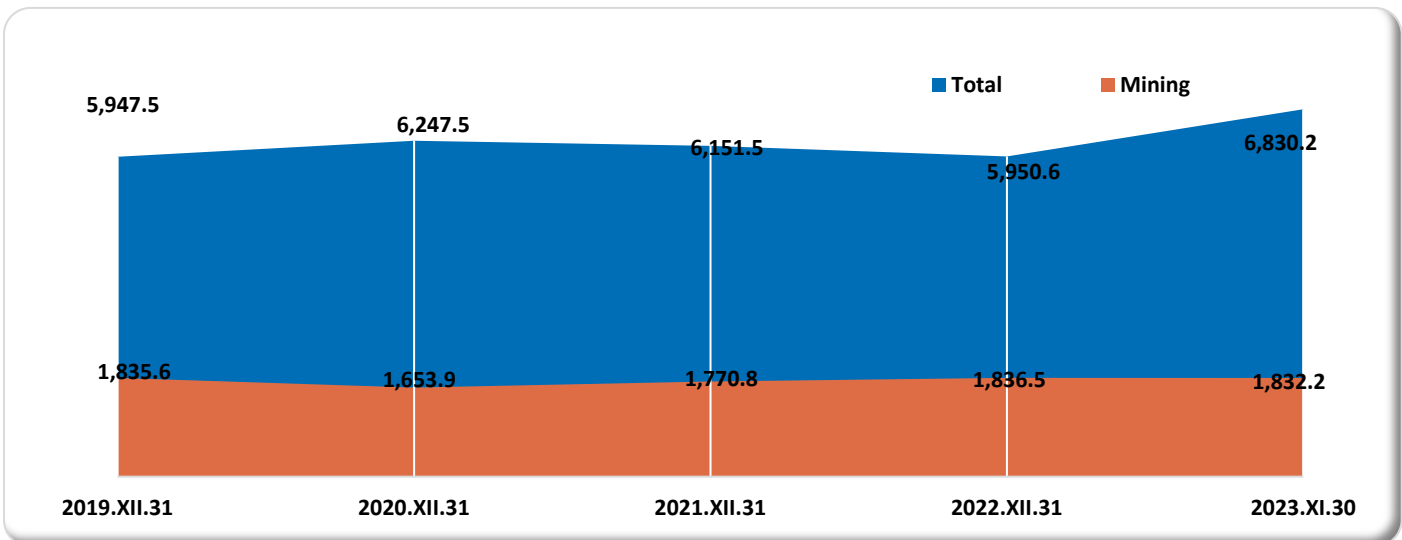
	TOTAL			Of which:					
	Number of licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Number of licenses	Area size /ths.ha/	Percent of total territory	Number of licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2709	6,830.2	4.3%	1719	1,832.2	1.2%	990	4,998.0	3.1%
Arkhangai	28	29.7	0.5%	18	11.2	0.2%	10	18.5	0.3%
Bayan-Ulgii	85	302.2	6.6%	30	16.5	0.4%	55	285.7	6.2%
Bayankhongor	139	370.9	3.2%	101	168.3	1.5%	38	202.7	1.8%
Bulgan	110	208.6	4.3%	77	40.0	0.8%	33	168.6	3.5%
Govi-Altai	136	578.8	4.1%	63	82.6	0.6%	73	496.1	3.5%
Govisumber	16	44.6	8.1%	13	38.9	7.0%	3	5.8	1.0%
Darkhan Uul	69	16.0	4.9%	62	8.6	2.6%	7	7.4	2.3%
Dornogovi	354	1,007.2	9.2%	213	269.0	2.5%	141	738.1	6.7%
Dornod	165	693.2	5.6%	72	63.9	0.5%	93	629.3	5.1%
Dundgovi	196	567.4	7.6%	126	196.9	2.6%	70	370.6	5.0%
Zavhan	49	209.4	2.5%	13	21.3	0.3%	36	188.1	2.3%
Orkhon	14	17.6	21.0%	9	10.7	12.7%	5	6.9	8.2%
Uvurkhangai	59	188.6	3.0%	29	20.7	0.3%	30	168.0	2.7%
Umnugovi	162	895.7	5.4%	108	484.2	2.9%	54	411.5	2.5%
Sukhbaatar	101	379.2	4.6%	69	56.2	0.7%	32	323.0	3.9%
Selenge	179	107.0	2.6%	140	48.0	1.2%	39	58.9	1.4%
Tuv	386	369.0	5.0%	304	164.5	2.2%	82	204.5	2.8%
Uvs	104	238.9	3.4%	46	21.2	0.3%	58	217.8	3.1%
Ulaanbaatar	95	9.9	2.1%	91	9.7	2.0%	4	0.2	0.0%
Khuvsgul	98	302.6	3.0%	38	32.4	0.3%	60	270.1	2.7%
Khovd	23	11.6	0.2%	21	10.3	0.1%	2	1.3	0.0%
Khentii	218	282.1	3.5%	129	57.1	0.7%	89	225.0	2.8%

Source: Cadastre Division, MRPAM

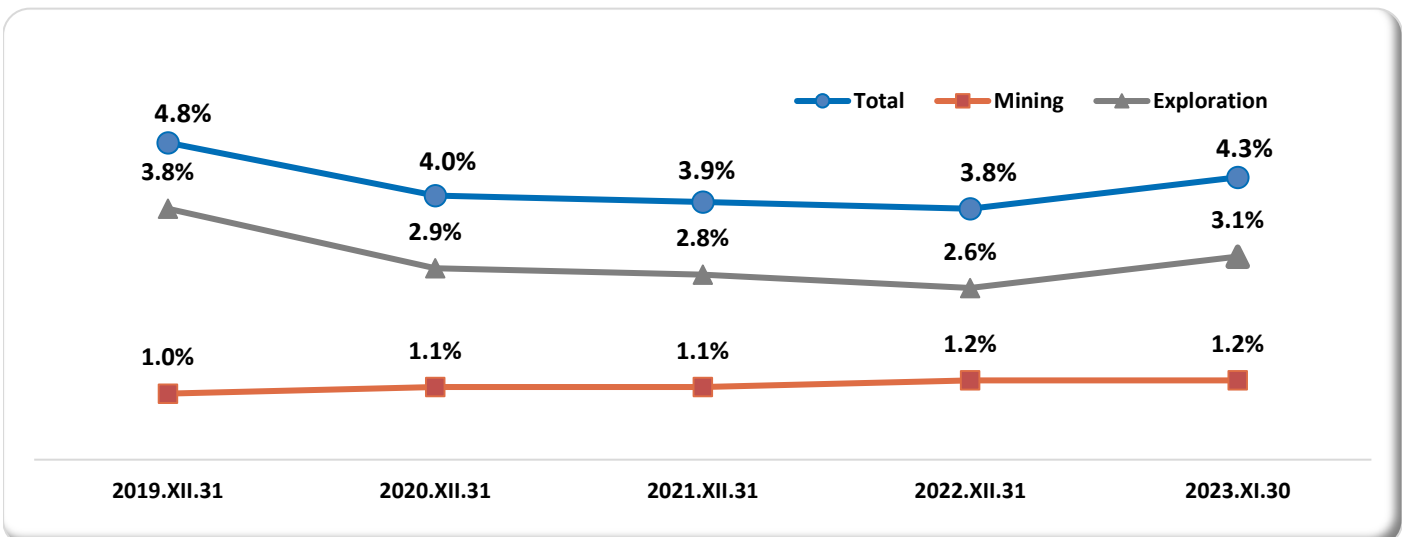
1.2. NUMBER OF TOTAL VALID LICENSES, 2019-2023



1.3. LICENSED AREA, 2018-2023, by thousands.ha



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, 2019-2023



Source: Cadastre Division, MRPAM

	2019.XII.31	2020.XII.31	2021.XII.31	2022.XII.31	2023.XI.30
Total	2,796	2,642	2,636	2,544	2,701
Mining	1670	1696	1745	1713	1718
Exploration	1126	946	891	831	983
Total	5,947.5	6,247.5	6,151.5	5,950.6	6,830.2
Mining	1,835.6	1,653.9	1,770.8	1,836.5	1,832.2
Exploration	4,111.9	4,593.6	4,380.7	4,114.1	4,998.0
Total	4.8%	4.0%	3.9%	3.8%	4.3%
Mining	1.0%	1.1%	1.1%	1.2%	1.2%
Exploration	3.8%	2.9%	2.8%	2.6%	3.1%

1.5. NUMBER OF MINING LICENSE AND AREA SIZE, 2023.XI.30, by type of minerals

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
TOTAL	1718	100.00%	1,832,252.7	100%
Gold (placer)	458	26.7%	185,106.9	10.1%
Coal	305	17.8%	786,735.7	43.0%
Fluorite	215	12.5%	55,549.8	3.0%
Gold ore	95	5.5%	128,077.7	7.0%
Iron	81	4.7%	52,444.2	2.9%
limestone	81	4.7%	50,692.7	2.8%
Common mineral, Clay	33	1.9%	2,032.2	0.1%
Common mineral, Sand, Gravel	33	1.9%	1,283.9	0.1%
Common mineral, Rock	32	1.9%	9,071.3	0.5%
Tungsten	29	1.7%	9,062.1	0.5%
Gypsum	26	1.5%	8,761.2	0.5%
Concentrated metal	24	1.4%	27,123.4	1.5%
Copper	19	1.1%	86,141.4	4.7%
Common mineral, sand	19	1.1%	1,122.8	0.1%
Tin	13	0.8%	6,152.7	0.3%
Gold (placer), Copper	12	0.7%	85,358.6	4.7%
Clay	11	0.6%	486.5	0.0%
Graphite	10	0.6%	20,141.9	1.1%
Salt	10	0.6%	419.9	0.0%
Molybdenum	9	0.5%	5,961.6	0.3%
Earth rare metal	8	0.5%	7,435.4	0.4%
Copper, Molybdenum	8	0.5%	14,328.3	0.8%
Marble	7	0.4%	7,262.8	0.4%
Uranium	6	0.4%	66,200.9	3.6%
Manganese	6	0.4%	8,500.0	0.5%
Sand stone, Common mineral	6	0.3%	1,426.3	0.1%
Slide the volcano	5	0.3%	886.4	0.0%
Copper, Gold	5	0.3%	8,807.4	0.5%
Molybdenum, Tungsten	5	0.3%	5,047.1	0.3%
Rock	5	0.3%	2,781.0	0.2%
Iron, Zinc	5	0.3%	1,126.4	0.1%
Phosphorus	5	0.3%	800.0	0.0%
Zeolite	5	0.3%	705.0	0.0%

1.5.1. NUMBER OF MINING LICENSE AND AREA SIZE, 2023.XI.30, by type of minerals

(Cont.Table 1.5)

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
Construction Rock	4	0.2%	1,050.4	0.1%
Gold	4	0.2%	593.2	0.0%
Tungsten, Tin	4	0.2%	19,024.8	1.0%
Glauberite salt	4	0.2%	1,449.0	0.1%
Silver	4	0.2%	4,244.8	0.2%
Perlit	4	0.2%	2,833.9	0.2%
Precious stones	4	0.2%	771.5	0.0%
Construction materials	3	0.17%	275.3	0.02%
Sand, Gravel	3	0.2%	21,927.3	1.2%
Gold (placer), Concentrated metal	3	0.2%	10,853.6	0.6%
Gold (placer), Silver	3	0.2%	599.1	0.0%
Silicium	3	0.2%	2,793.1	0.2%
Aluminium	3	0.2%	601.5	0.0%
Bazalit	3	0.2%	17,320.6	0.9%
Bitumen	3	0.2%	9,587.7	0.5%
Common Construction, Clay, Rock	3	0.2%	1,370.9	0.1%
Granite	2	0.1%	2,041.2	0.1%
Gold ore, Silver	2	0.1%	207.8	0.0%
Gold, Copper	2	0.1%	3,158.1	0.2%
Face stone	2	0.1%	183.5	0.0%
Gold (placer), Clay, Sand	2	0.1%	525.4	0.0%
Zinc	2	0.1%	1,969.8	0.1%
Iron, Concentrated metal	2	0.1%	2,618.6	0.1%
Quartz	2	0.1%	168.5	0.0%
Keramzite Clay	2	0.1%	1,375.3	0.1%
Common mineral, Keramzite Clay	2	0.1%	6,206.0	0.3%
Iron, limestone	1	0.1%	37.1	0.0%
Copper, Concentrated metal, Gold, Clay, S	1	0.1%	874.7	0.0%
Gold, Polymetal	1	0.1%	4,668.6	0.3%
Copper, Molybdenum, Gold	1	0.1%	335.0	0.0%
Lithium	1	0.1%	18.6	0.0%
Gold ore, Concentrated metal	1	0.1%	64.8	0.0%
Concentrated metal, Rock	1	0.1%	3,000.6	0.2%
Copper, Nickel	1	0.1%	2,085.6	0.1%
Iron, Molybdenum	1	0.1%	277.5	0.0%
Gold (placer), Gold ore	1	0.1%	251.4	0.0%
Graphite, limestone	1	0.1%	66.7	0.0%
Copper, Zinc	1	0.1%	2,899.3	0.2%

1.5.2. NUMBER OF MINING LICENSE AND AREA SIZE, 2023.XI.30, by type of minerals

(Cont. Table 1.5)

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
Gold, Copper, Silver	1	0.1%	3,404.3	0.2%
Molybdenum, Rhenium	1	0.1%	86.3	0.0%
Coal, Gold (placer)	1	0.1%	79.4	0.0%
Concentrated metal, Sand	1	0.1%	7,120.6	0.4%
Coal, Sand, Gravel	1	0.1%	435.2	0.0%
Zinc, Silver, Lead	1	0.1%	35.9	0.0%
Common mineral, Construction Rock	1	0.1%	25.8	0.0%
Mica	1	0.1%	26.0	0.0%
Nickel	1	0.1%	26.4	0.0%
limestone, Rock	1	0.1%	1,767.2	0.1%
Bargilt	1	0.1%	47.5	0.0%
Fluorite, Tungsten	1	0.1%	524.6	0.0%
Bazalit, Common mineral	1	0.1%	227.5	0.0%
Gold (placer), Iron	1	0.1%	4,050.1	0.2%
Color metal	1	0.1%	1,789.4	0.1%
Silver, Concentrated metal	1	0.1%	21.3	0.0%
Beryllium	1	0.1%	750.8	0.0%
Agalmatolite, Baryte	1	0.1%	125.7	0.0%
Garnet	1	0.1%	26.5	0.0%
Gold, Clay, Sand	1	0.1%	4,720.2	0.3%
Sand	1	0.1%	596.2	0.0%
Zeolite, Common mineral	1	0.1%	8,489.9	0.5%
Red jasper	1	0.1%	1,762.7	0.1%
Green jasper	1	0.1%	4,523.6	0.2%
Common mineral, Sand, Gravel, Rock	1	0.1%	5,236.0	0.3%
Common mineral, Sand, Rock	1	0.1%	39.3	0.0%
Sand, Common mineral	1	0.1%	26.6	0.0%
Gold (placer), Coal	1	0.1%	302.5	0.0%
Common mineral, Sand, Gravel, Rock	1	0.1%	38.6	0.0%
Fluorite, limestone	1	0.1%	31.5	0.0%
Magnesite	1	0.1%	49.3	0.0%
Coal, Clay	1	0.1%	1,444.1	0.1%
Copper, Common Mineral, Gravel	1	0.1%	132.1	0.0%
Common mineral	1	0.1%	182.8	0.0%
Clay, Common mineral	1	0.1%	4,533.3	0.2%
Construction materials, Common mineral	1	0.1%	2,899.3	0.2%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, давхардсан байдлаар, 2023.XI.30, by mln.га, overlap

	Hectare	Share of total territory
Valid mining licensed area	1.9	1.2%
Valid exploration licensed area	4.8	3.1%
State protected area	33.9	21.7%
Special purpose area	34.0	21.7%
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, 2023.XI.30, by provinces

	Area		Area size	
	Number	Share to total	Hectare	Share to total
TOTAL	28	1	89.85	1
Bayan-ulgii	1	3.6%	4.76	5.3%
Bayankhongor	5	17.9%	18.28	20.3%
Bulgan	2	7.1%	5.16	5.7%
Dornogovi	4	14.3%	19.25	21.4%
Dundgovi	2	7.1%	1.56	1.7%
Umnugovi	1	3.6%	0.95	1.1%
Selenge	4	14.3%	15.78	17.6%
Tuv	2	7.1%	2.74	3.0%
Uvs	2	7.1%	7.54	8.4%
Khentii	5	17.9%	13.83	15.4%

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, 2023.XI.30

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
БҮГД	1740	2709	6,830,552.2	100%
Mongolian entities	1398	2165	5,193,500.9	76.0%
100% foreign entities	249	389	1,301,902.0	19.1%
Joint foreign entities	93	155	335,149.3	4.9%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, 2023.X.30, by countries

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
TOTAL	249	389	1,301,902.0	100%
China	138	176	452,978.34	34.79%
Virgin Islands	25	44	79,184.91	6.08%
Hong Kong	15	25	255,180.76	19.60%
Canada	14	29	85,448.66	6.56%
Singapore	12	48	298,660.93	22.94%
South Korea	11	13	17,780.00	1.37%
Russia	4	4	29,059.86	2.23%
Australia	4	4	321.01	0.02%
Great Britain	3	4	6,038.72	0.46%
Switzerland	2	2	603.89	0.05%
Luxemburg	2	4	2,442.31	0.19%
Holland	2	3	19,929.15	1.53%
Japan	2	6	13,528.21	1.04%
United States of America	2	10	6,620.18	0.51%
Germany	2	3	3,015.13	0.23%
Bulgaria	1	2	8,795.35	0.68%
Russia, China	1	1	136.46	0.01%
Thailand	1	2	2,416.53	0.19%
Seychelles	1	1	3,027.92	0.23%
Virgin Islands, Singapore	1	2	10,503.76	0.81%
Malaysia	1	1	118.15	0.01%
Russia, South Korea	1	1	375.18	0.03%
Australia, China	1	1	1,933.96	0.15%
Ireland, Great Britain	1	1	47.50	0.00%
kazakhstan	1	1	3,700.94	0.28%
Great Britain, China	1	1	54.23	0.00%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, 2023.XI.30, by countries

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
TOTAL	93	155	335,149.3	100%
Mongolia, China	40	57	80410.15	23.99%
Mongolia, Singapore	10	25	37022.33	11.05%
Mongolia, South Korea	9	13	26831.01	8.01%
Mongolia, Russia	8	11	3661.05	1.09%
Mongolia, Virgin Islands	5	7	24787.59	7.40%
Mongolia, Japan	5	13	47640.04	14.21%
Mongolia, Hong Kong	2	7	23454.23	7.00%
Mongolia, Germany	2	3	5748.07	1.72%
Mongolia, Czech Republic	2	4	17911.39	5.34%
Mongolia, Kazakhstan	1	1	1789.37	0.53%
Mongolia, Bulgaria	1	3	1083.66	0.32%
Mongolia, Great Britain	1	1	1472.04	0.44%
Mongolia, Canada, China	1	1	6352.79	1.90%
Mongolia, Luxemburg	1	2	10011.16	2.99%
Mongolia, Russia, Ukraine	1	1	46.87	0.01%
Mongolia, Poland	1	1	1561.28	0.47%
Mongolia, Singapore, Hong Kong	1	1	1469.53	0.44%
Mongolia, Hong Kong, Japan	1	3	43809.33	13.07%
Mongolia, Hungary	1	1	87.42	0.03%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, 2023.XI.30, by bank and non-bank financial institute

	License		Area	
	Number	Share to total	Hectare	Share to total
TOTAL	227	100%	232,302.7	100.00%
Trade and Development Bank	44	100.00%	24350.26	100.00%
Golomt Bank	25	56.82%	23752.19	97.54%
Development Bank of Mongolia	23	52.27%	16094.45	66.10%
HAAN Bank	20	45.45%	5096.63	20.93%
ABTS NBFi	17	38.64%	28681.71	117.79%
Transport Development bank	14	31.82%	12474.53	51.23%
Capital Bank	9	20.45%	1098.2	4.51%
European Bank for Reconstruction and Development	7	15.91%	2658.48	10.92%
Chinggis Khan Bank	6	13.64%	2409.46	9.90%
Capitron bank	6	13.64%	6471.14	26.58%
XAC Bank	6	13.64%	3277.74	13.46%
Golomt, Saving, Zoos, Anod Banks	6	13.64%	2509.48	10.31%
GSB capital NBFi	4	9.09%	22506.17	92.43%
Bank of China	3	6.82%	1980.98	8.14%
Anod Bank	3	6.82%	871.57	3.58%
Erel bank	2	4.55%	789.65	3.24%
Construction commercial investment NBFi	2	4.55%	271.73	1.12%
Great Capital NBFi	2	4.55%	17131.1	70.35%
Ulaanbaatar City bank	2	4.55%	3014.31	12.38%
First lithium Corporation NBFi	2	4.55%	804.98	3.31%
State Bank	2	4.55%	150.31	0.62%
Bilegnasan NBFi	2	4.55%	32711.67	134.34%
National Investment Bank	2	4.55%	1180.45	4.85%
Ecocapital NBFi	2	2.27%	1623.8	6.67%
Saving bank	1	2.27%	275.01	1.13%
Export-Import Bank of China	1	2.27%	5492.63	22.56%
Jet finance NBFi	1	2.27%	583.36	2.40%
RUS Finance NBFi	1	2.27%	56.83	0.23%
Green Fintek NBFi	1	2.27%	148.91	0.61%
Mongol Post bank	1	2.27%	1773.74	7.28%
Khas Khaan NBFi	1	2.27%	86.57	0.36%
Standard Chartered Bank	1	2.27%	227.45	0.93%
Credit Express NBFi	1	2.27%	8489.92	34.87%
Khutult nomgon NBFi	1	2.27%	235.57	0.97%
Munkh OrshiKh Capital NBFi	1	2.27%	25.75	0.11%
Kherlen Onon Tuul NBFi	1	2.27%	178.08	0.73%
Achit Capital NBFi	1	2.27%	1767.19	7.26%
Gasprom bank	1	2.27%	9.03	0.04%
Turquoise Finance NBFi	1	2.27%	368.3	1.51%
Bayasakh Sonor NBFi	1	2.27%	673.41	2.77%
Source: Cadastre Division, MRPAM	1	2.27%	1654.22	6.79%

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, 2023.XI.30

No	Name of entity	Number of license	Area size /ha/	Company type	Nationality
1	Mongolroscvetmet	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	8,488.1	Entity with 100% foreign investment	Singapore
4	Gatsuurt	13	193,752.0	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 govi altai	12	2,206.7	mongolian legal entity	Mongolia
11	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore
12	MAK cement	10	3,745.9	mongolian legal entity	Mongolia

1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, 2023.X.30

No	Name of entity	Number of license	Area size /ha/	Company type	Nationality
1	Tsaina investment mongolia	13	193,752.0	100% foreign invested entity	Singapore
2	Erdenet	13	126,947.7	mongolian legal entity	Mongolia
3	Ion energy	2	111,529.2	100% foreign invested entity	Canada

Source: Cadastre Division, MRPAM

1.14. RECEIVED APPLICATION, 2019-2023, by application type

	2019	2020	2021	2022	2023-XI
TOTAL	698	502	943	600	878
New license	218	253	463	247	634
Mining	73	87	47	29	19
Exploration	0	0	0	0	0
Tender	145	166	416	218	615
Extension	273	75	337	224	118
Mining	0	0	1	2	27
Exploration	273	75	336	222	91
Transfer	72	80	76	66	82
Mining	24	32	19	14	14
Exploration	48	48	57	52	68
Pledge	25	28	38	25	16
Mining	24	28	34	22	14
Exploration	1	0	4	3	2
Surrender	110	66	29	38	28
Mining	12	16	6	13	9
Exploration	98	50	23	25	19

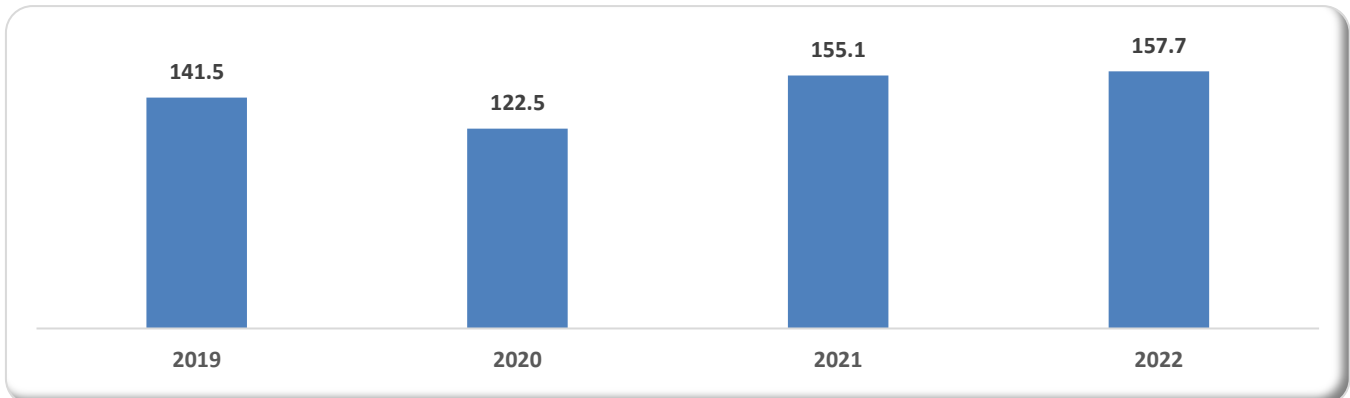
1.15. CHANGES IN LICENSE REGISTRATION, 2019-2023, by license type

	2019	2020	2021	2022	2023-XI
New license	130	90	163	93	215
Mining	59	55	54	36	21
Exploration	0	8	0	7	0
Tender	71	27	109	50	194
Surrendered	93	71	26	34	23
Mining	11	16	4	12	6
Exploration	82	55	22	22	17
Canceled	189	140	75	45	37
Mining	70	52	30	20	22
Exploration	119	88	45	25	15
Expired	209	133	120	100	25
Transferred	71	83	74	63	79
Mining	24	35	16	16	13
Exploration	47	48	58	47	66
Extended	300	68	246	291	94
Pledged	23	27	38	22	15
Mining	23	27	34	20	12
Exploration	0	0	4	2	3
Terminated pledges	31	28	16	23	24
Mining	30	28	16	22	24
Exploration	1	0	0	1	0
Re-issue of license documents	27	17	11	6	11
Mining	14	11	5	4	7
Exploration	13	6	6	2	4

Source: Cadastre Division, MRPAM

2 GEOLOGY

2.1. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2019-2022 (2023.XI.20)



2.2. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2021-2022 (2023.XI.20), by million MNT and type work

	2021		2022	
	Total amount	Share to total	Total amount	Share to total
TOTAL	155,067.5	100%	157,707.6	100.0
Preparation	2,012.5	1.3%	2,041.1	1.3%
Mapping	1,156.3	0.7%	1,266.6	0.8%
Geological survey	737.5	0.5%	760.9	0.5%
Sampling	117.0	0.1%	126.2	0.1%
Geophysical work	4,493.0	2.9%	4,685.4	3.0%
Mining	1,153.0	0.7%	1,213.9	0.8%
Drilling	107,032.6	69.0%	108,498.6	68.8%
Indoor, laboratory investigation	5,823.3	3.8%	5,831.3	3.7%
Laboratory	9,024.5	5.8%	9,227.6	5.9%
Transport	3,048.1	2.0%	3,145.2	2.0%
Topogeodetic work	646.6	0.4%	898.8	0.6%
Hydrogeological work	913.9	0.6%	953.7	0.6%
Geocological survey	167.0	0.1%	167.0	0.1%
Archeology	172.9	0.1%	201.0	0.1%
Environment reclamation	1,036.8	0.7%	1,042.3	0.7%
Field sampling	5,283.0	3.4%	5,372.6	3.4%
Assume expenses	35.7	0.0%	35.8	0.0%
Other	12,212.9	7.9%	12,238.7	7.8%

Source: Geology and Exploration Division, MRPAM

2019 141.5

2020 122.5

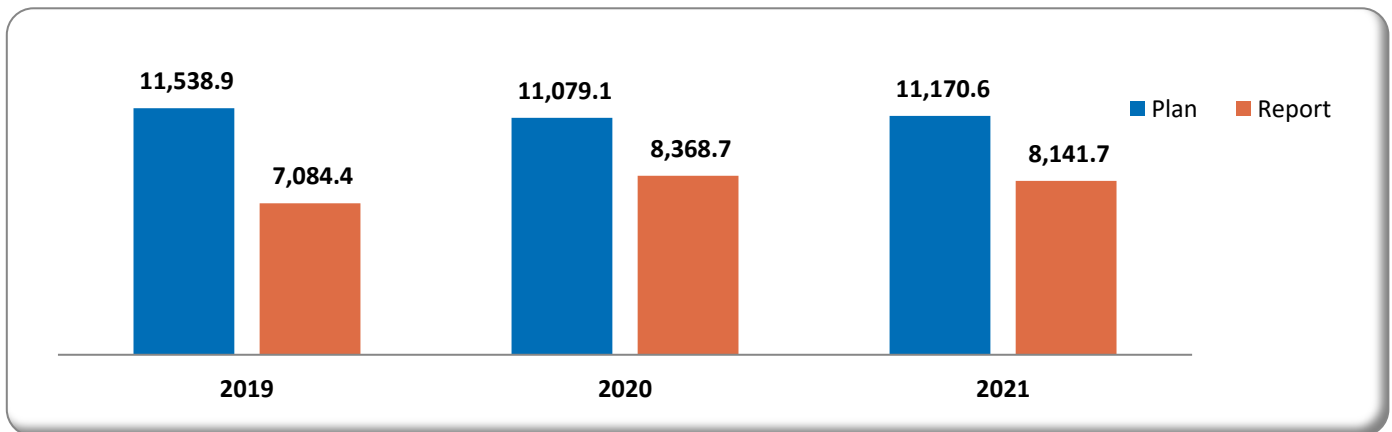
2021 155.1

2022 157.7

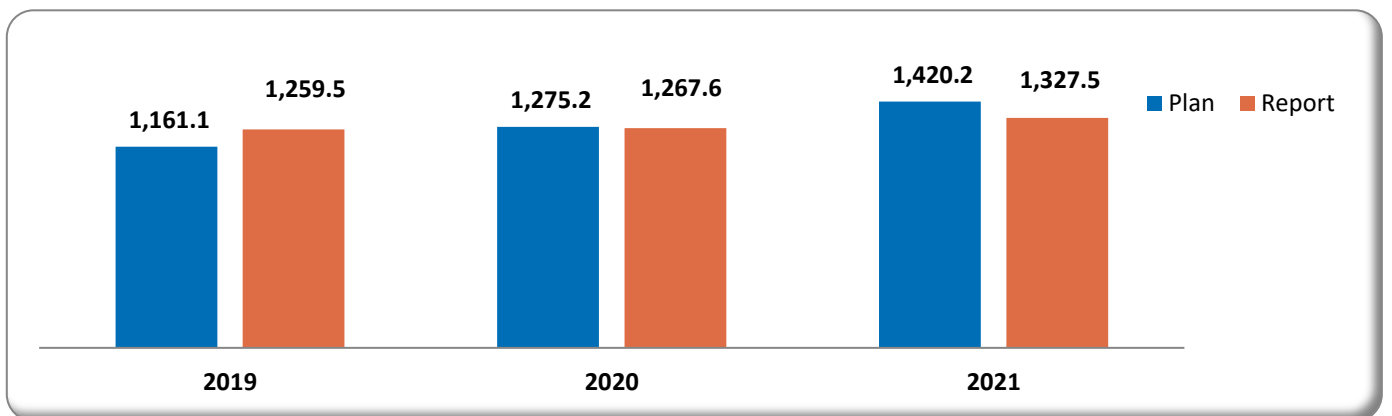
3.1. MINERAL MINING ACTIVITY PLAN AND REPORT OFFICIAL STATUS, 2018-2022, (2023.I.05)

	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%	-	-	-

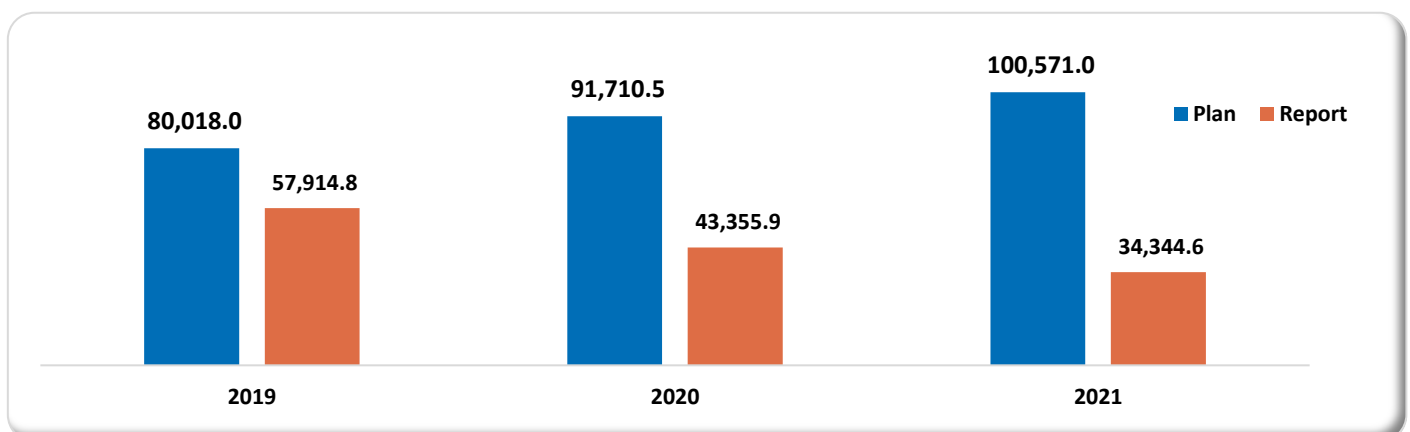
3.2. GOLD PRODUCTION, 2019-2021, (2023.I.12), by kg, mined from hard rock and placer deposits



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

Алт (кг)

	Plan	Report
2017	10,687.5	6,157.3
2018	11,101.7	7,064.7
2019	11,538.9	7,084.4
2020	11,079.1	8,368.7
2021	11,170.6	8,141.7

Зэсийн баяжмал (мян.тн)

	Plan	Report
2017	1,252.1	1,317.6
2018	1,219.3	1,321.1
2019	1,161.1	1,259.5
2020	1,275.2	1,267.6
2021	1,420.2	1,327.5

Нүүрс (мян.тн)

	Plan	Report
2017	80,567.9	41,904.6
2018	88,960.3	56,195.9
2019	80,018.0	57,914.8
2020	91,710.5	43,355.9
2021	100,571.0	34,344.6

3.5. MINERAL PRODUCTION, 2021-2022 (2023.XI.20), by mineral type

	Unit of measurement	2020*		2021*	
		Plan	Report	Plan	Report
Gold (Total)	kg	15,888.9	14,511.1	46,146.6	23,283.7
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	8,470.9
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	5,304.4
Building materials					
Lime	ths.tons	245.6	48.1	125.7	50.26
Limestone	ths.tons	1,187.7	310.2	1,360.7	508.38
Clinker	ths.tons	814.0	-	26.6	-
Cement	ths.tons	869.2	1,557.0	1,950.0	1,434.92
Mineral powder	ths.tons	-	-	31.0	47.14
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	2,472
Silver concentrate	ths.tons	194.6	201.5	7.8	3.26
Silver ore	ths.tons	-	-	-	127.33
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	9,837.90
Whole iron concentrate	ths.tons	5,087.5	3,077.0	5,162.5	4,317.68
Iron powder concentrate	ths.tons	6,769.2	2,444.6	7,308.4	3,033.57
Iron ore	ths.tons	3,260.9	2,900.5	1,002.0	1,781.90
Powdered iron ore	ths.tons	103.0	1,668.0	1,694.0	704.75
Uranium Yellow powder	tons	31.4	3.9	29.8	11.22
Amount of uranium in yellow powder	tons	16,450.0	1.3	11.1	4.18
Fluorite	ths.tons	2,207.4	496.1	2,200.7	822.19
Fluorite concentrate AG-97	ths.tons	129.0	14.9	211.5	38.05
Fluorite concentrate AG-95	ths.tons	120.9	51.8	91.4	31.14
Gravitational fluorite МГФ 55-85	ths.tons	-	-	-	8.57
Whole fluorite MG-92	ths.tons	28.2	4.8	46.7	6.33
Whole fluorite MG-85	ths.tons	30.0	1.6	81.9	260.20
Whole fluorite MG-80	ths.tons	12.7	1.8	5.3	7.72
Whole fluorite MG-75	ths.tons	199.9	42.7	222.9	30.18
Whole fluorite MG-65	ths.tons	6.2	32.7	9.5	33.92
Fluorite ore ФР	ths.tons	1,680.4	345.8	1,531.7	406.08
Blue lead	ths.tons	16.4	26.0	17.2	20.69
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	34,381.4

*-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.I.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.I.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%

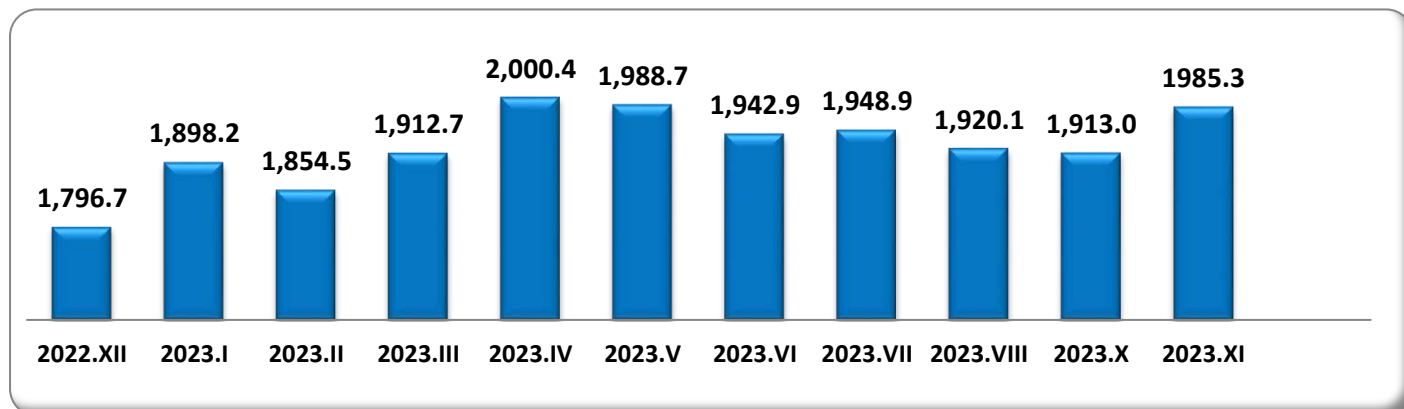
Based on data from the 2021 Mining Report for Minerals Other than Common Minerals.

Source: Mining Division, MRPAM

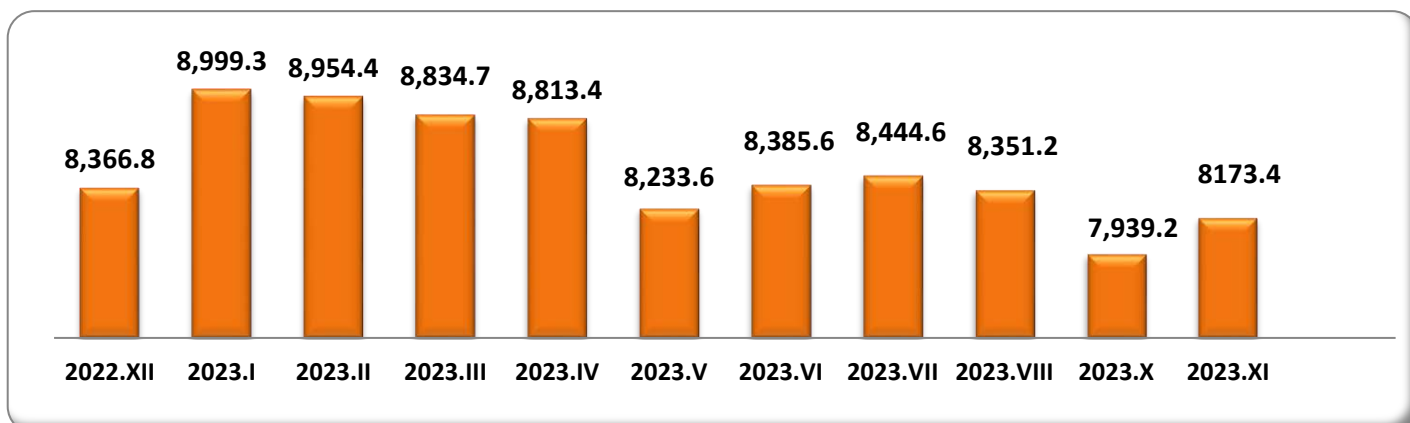
3.8. AVERAGE PRICES OF MINERALS ON THE WORLD MARKET, 2022-2023

	Unit of measurement	2022	2023.X	2023.XI	<u>2023.XI</u> 2022	<u>2023.XI</u> 2023.X
Gold	\$/ounce	1,800.8	1,913.0	1,985.3	110.2%	103.8%
Silver	\$/ounce	21.8	22.3	23.4	107.5%	104.8%
Copper	\$/tons	8,813.9	7,939.2	8,173.5	92.7%	103.0%
Zinc	\$/tons	3,484.4	2,448.8	2,543.3	73.0%	103.9%
Blue lead	\$/tons	2,152.7	2,135.8	2,184.6	101.5%	102.3%
Tin	\$/tons	31,361.9	24,597.0	24,203.6	77.2%	98.4%
Molybdenum	\$/tons	41,135.5	45,232.8	38,310.3	93.1%	84.7%
Manganese 36%	\$/tons	191.1	151.9	152.6	79.9%	100.4%
Tungsten, 99%	\$/tons	43,093.3	38,500.0	38,481.8	89.3%	100.0%
Tungsten, 65%	\$/tons	16,903.8	16,366.9	16,491.1	97.6%	100.8%
Iron ore 56%	\$/tons	83.7	91.5	103.7	124.0%	113.4%
Iron ore 60% concentrate	\$/tons	106.8	105.0	117.7	110.2%	112.1%
Fluorite concentrate AG-97	\$/tons	367.1	415.0	415.0	113.1%	100.0%
Fluorite ore MG-85	\$/tons	345.4	365.0	365.0	105.7%	100.0%
Uranium	\$/kg	109.8	164.0	179.1	163.1%	109.2%

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



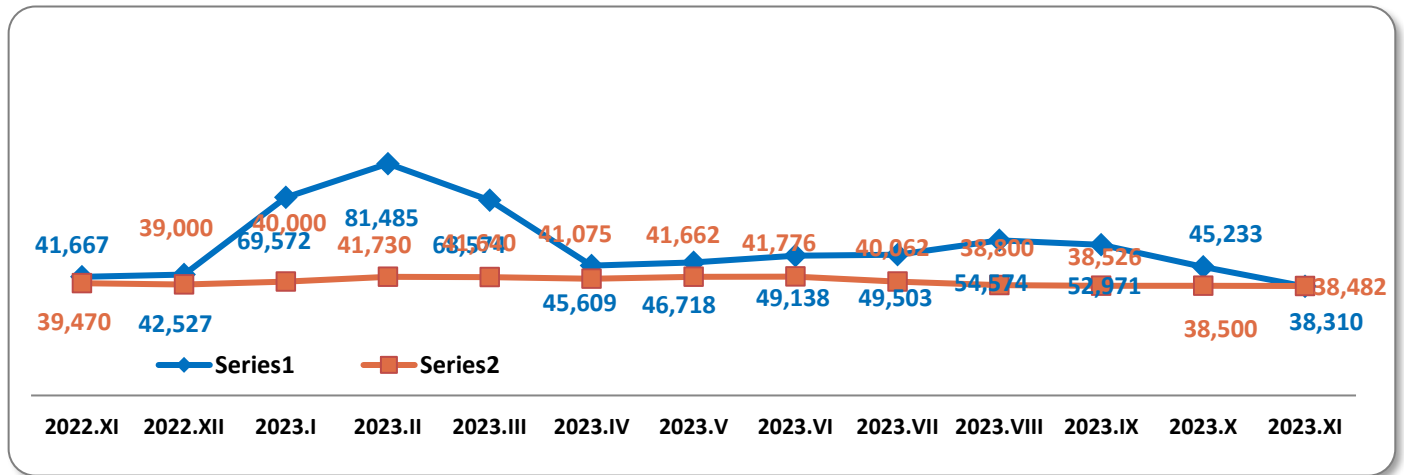
Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com, www.sxcoal.com

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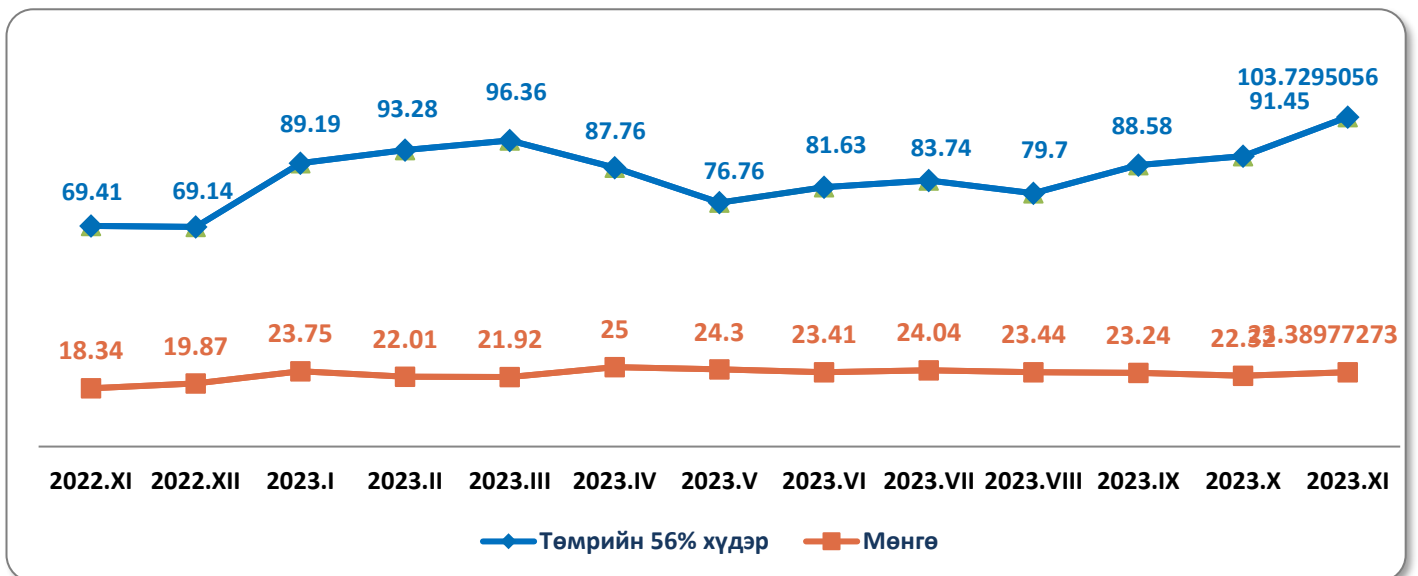
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2022.X	1,664.5	7,620.6
2022.XI	1,726.5	8,028.9
2022.XII	1,796.7	8,366.8
2023.I	1,898.2	8,999.3
2023.II	1,854.5	8,954.4
2023.III	1,912.7	8,834.7
2023.IV	2,000.4	8,813.4
2023.V	1,988.7	8,233.6
2023.VI	1,942.9	8,385.6
2023.VII	1,948.9	8,444.6
2023.VIII	1,920.1	8,351.2
2023.X	1,913.0	7,939.2
2023.XI	1985.3	8173.4

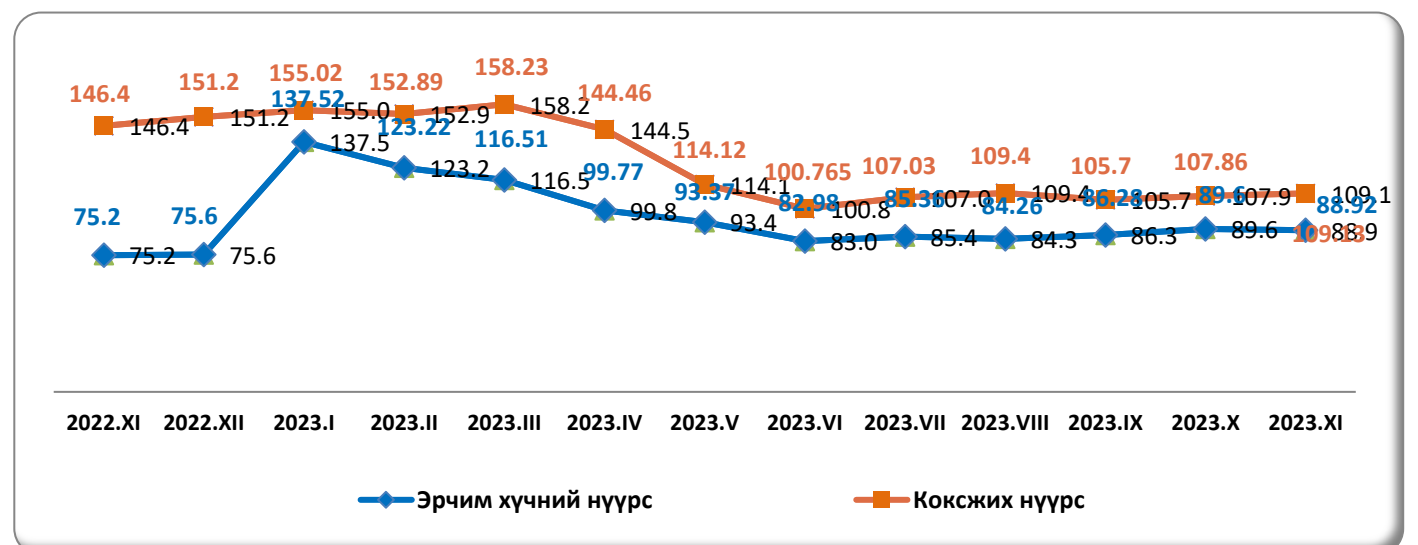
3.11. AVERAGE PRICE OF TIN, MOLYBDENUM AND TUNGSTEN ON THE WORLD MARKET, in last 12 months, by US\$/tons



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\$/ton



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

2022.IX	24,495	32,529	41,960	74.7	19.8	78.9	163.9
2022.X	21,258	37,699	41,880	69.5	18.9	76.4	148.1
2022.XI	19,406	41,667	39,470	69.4	18.3	75.2	146.4
2022.XII	21,136	42,527	39,000	69.1	19.9	75.6	151.2
2023.I	28,058	69,572	40,000	89.2	23.8	137.5	155.0
2023.II	27,047	81,485	41,730	93.3	22.0	123.2	152.9
2023.III	23,997	68,574	41,640	96.4	21.9	116.5	158.2
2023.IV	25,586	45,609	41,075	87.8	25.0	99.8	144.5
2023.V	25,586	46,718	41,662	76.8	24.3	93.4	114.1
2023.VI	27,243	49,138	41,776	81.6	23.4	83.0	100.8
2023.VII	28,728	49,503	40,062	83.7	24.0	85.4	107.0
2023.VIII	25,975	54,574	38,800	79.7	23.4	84.3	109.4
2023.IX	25,540	52,971	38,526	88.6	23.2	86.3	105.7
2023.X	24,597	45,233	38,500	91.5	22.3	89.6	107.9
2023.XI	24,204	38,310	38,482	103.7	23.4	88.9	109.1

3.14. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2023

	Stock exchange	Symbol	Currency	Average price						Market value /2023.XII.04/
				2021	2022	2023.X	2023.XI	2022/2021	2023.XI/2023.X	
Peabody Energy Corporation	NYQ	BTU	USD	8.74	22.87	24.96	23.31	38.2%	93.4%	3.098B
Rio Tinto plc	LSE	RIO.L	GBp	5,599.4	5308.8	5,077.9	5,384.6	105.5%	106.0%	85.107B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	1.03	1.18	0.42	0.46	87.3%	109.5%	75.25M
Mongolian Mining Corporation	HKG	0975.HK	HKD	2.29	2.20	3.80	3.85	104.1%	101.3%	3.461B
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.32	1.23	0.74	1.29	107.3%	174.3%	194.884M
Centerra Gold Inc.	TOR	CG.TO	CAD	10.6	8.89	6.71	7.75	119.2%	115.5%	1.669B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.4	0.35	0.32	0.31	114.3%	96.9%	108.492M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.8	0.93	1.28	1.25	86.0%	97.7%	252.025M
Silver Elephant Mining Corp.	TOR	ELEF.TO	CAD	0.33	0.91	0.30	0.31	36.3%	103.3%	8.181M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.82	1.20	0.69	0.70	151.7%	101.4%	74.807M
Kincora Copper Limited	VAN	KCC.V	CAD	0.21	0.08	0.03	0.03	262.5%	100.0%	5.179M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.148	0.09	0.00	-	164.4%	#VALUE!	0
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.07	0.03	0.07	0.06	233.3%	85.7%	102.895M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.086	0.09	0.08	0.07	95.6%	87.5%	34.012M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	0.18	0.16	0.17	-	106.3%	12.019M
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.038	0.04	-	-	95.0%	-	-
TerraCom Limited	ASX	TER.AX	AUD	0.14	0.69	0.42	0.32	20.3%	76.2%	272.328M
Viking Mines Limited	ASX	VKA.AX	AUD	0.03	0.01	0.01	0.01	300.0%	100.0%	9.227M
Banpu Public Company Limited	SET	BANPU.BK	THB	11.83	12.41	7.78	7.80	95.3%	100.3%	75.643B
Petro Matad Limited	LSE	MATD.L	GBp	3.89	3.03	2.97	3.10	128.4%	104.4%	33.416M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-
Elixir Energy Limited	ASX	EXR.AX	AUD	0.26	0.16	0.07	0.08	162.5%	114.3%	72.896M
Aranjin resources Limited	TSXV	ARJN.V	CAD	-	0.03	0.02	0.01	0.0%	50.0%	5.786M
Ion Energy Limited	TSXV	ION.V	CAD	-	0.27	0.15	0.09	0.0%	60.0%	7.52M
TMK Energy Limited	ASX	TMK.AX	AUD	-	0.02	0.01	0.01	0.0%	100.0%	40.245M
Jade Gas Holdings Limited	ASX	JGH.AX	AUD	-	0.06	0.04	0.03	0.0%	75.0%	59.92M

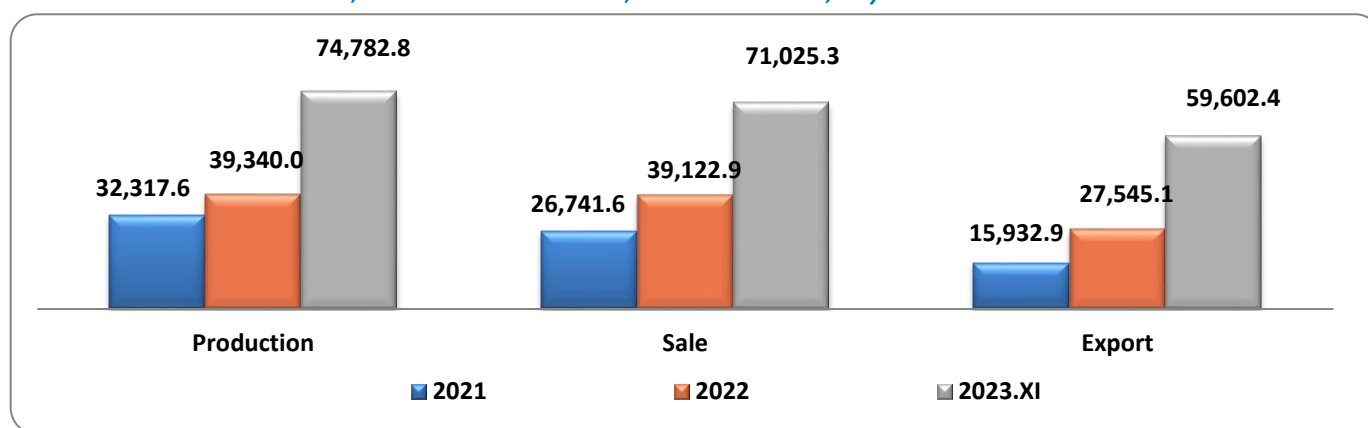
Source: www.nyse.com, www.londonstockexchange.com, www.hkex.com.hk, www.tmx.com, www.tsx.com,

3.15. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2023

	Symbol	Average price					
		2021	2022	2023.X	2023.XI	<u>2022</u> 2021	<u>2023.XI</u> 2023.X
Tavantolgoi	TTL	7,328.4	7513.07	11521.8	12832.4	97.5%	111.4%
Baganuur	BAN	1,021.9	963.85	830.89	861.67	94.3%	103.7%
Shivee-Ovoo	SHV	1,580.3	1606.89	1312.5	1300.3	101.7%	99.1%
Aduunchuluun	ADL	805.1	809.45	640.04	630.21	100.5%	98.5%
Shariin Gol	SHG	833.1	674.41	635	662.07	81.0%	104.3%
Erdene Resource Development Corporation	ERDN	840.1	820.24	882.27	853.55	97.6%	96.7%
Mogoin gol	BDL	8,195.8	9092.74	13522.86	13000	110.9%	96.1%
Bayanteeg	BTG	20,764.3	22125	23000	23000	106.6%	-
Berkh-Uul	BEU	1,168.7	1161.17	1436.67	1820	99.4%	126.7%
Khar Tarvagatai	TVT	2,398.1	3919.47	4250.0	-	163.4%	-
Taliin Gal	TAL	-	-	-	-	-	-
Mongol Basalt	MBW	163.6	207.06	184.8	181.96	126.5%	98.5%
Mongol Ceramic	KEK	15,557.5	5044.39	1700	-	32.4%	#VALUE!
Silikat	SIL	31.4	30.78	-	27.6	98.0%	-
Sonsgolon barmat	SSG	1,572.8	1299.17	-	-	82.6%	-
Remicon	RMC	23.3	23.5	34.78	37.14	101.0%	106.8%
Arig Tal	EER	2,309.9	2794.54	3185.43	3187.5	121.0%	100.1%
Niislel-Urguu	NUR	1,959.8	-	-	-	-	-
Erchim Bayan-Ulgii	BOE	1,784.9	2750.49	-	-	154.1%	-
Khukh Gan	HGN	62.9	53.95	51.06	39.81	85.8%	78.0%
Nako Tulsh	NKT	15.2	-	-	-	-	-

Source: www.mse.mn

3.16. COAL PRODUCTION, SALE AND EXPORT, 2021-2023.XI, by ths.tons



3.17. COAL PRODUCTION, SALE AND EXPORT, 2022-2023, by ths.tons

	Production	Sale	Export
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.IX	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
2023	74,782.8	71,025.3	59,602.4
2023.I	5,579.1	5,759.1	4,282.4
2023.II	4,777.0	5,453.8	4,204.4
2023.III	6,592.1	6,653.2	5,430.4
2023.IV	5,791.2	5,569.0	4,611.0
2023.V	5,947.7	4,894.6	4,152.0
2023.VI	6,195.1	4,779.4	4,113.8
2023.VII	5,720.8	5,827.8	5,098.1
2023.VIII	7,908.8	7,525.0	6,744.3
2023.IX	8,530.5	7,706.1	6,882.5
2023.X	9,090.2	8,022.1	6,712.3
2023.XI	8,650.3	8,835.2	7,371.2
2023.XII			
2023.XI 2022.XI	177.3%	151.5%	169.7%
2023 2022	190.1%	181.5%	216.4%

Source: Mining Division, MRPAM

	2019	2021	2022	2023.XI
Production	57,128.8	32,317.6	39,340.0	74,782.8
Sale	47,047.8	26,741.6	39,122.9	71,025.3
Export	36,809.1	15,932.9	27,545.1	59,602.4

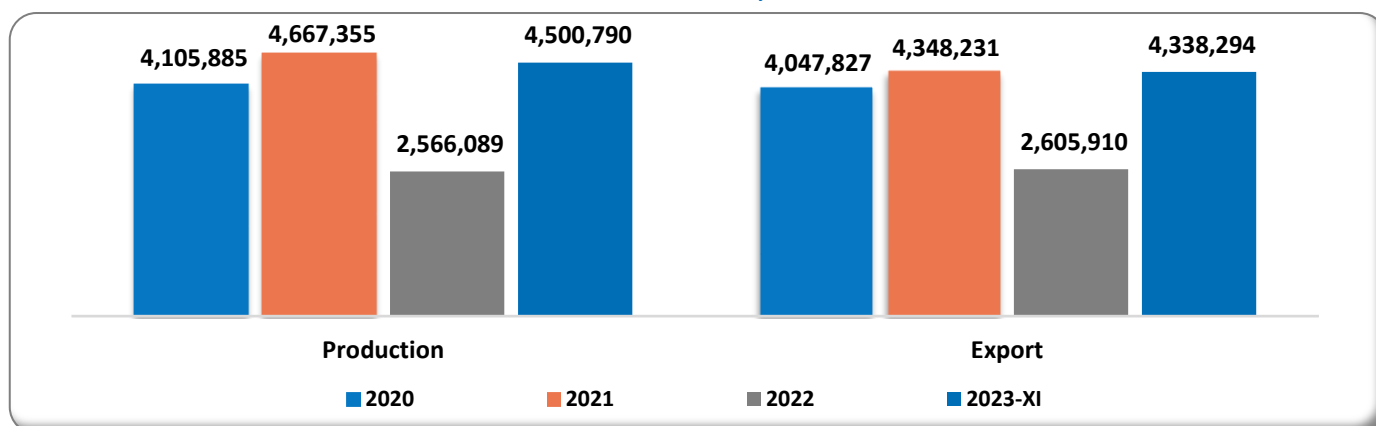
3.18. AVERAGE QUALITY OF EXPORTED COAL, 2022.XI

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	Khangi	Ikh gobi Energy	-	-	-	-	-	-
Raw coal	<i>Coal</i>								
	Coking	Khangi	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	Khangi	Dadiin khar tolgoi	-	-	-	-	-	-
		Gahsuun sukhait	Tavan tolgoi	-	-	-	-	-	-
			Zamiin uud	Mogoin gol	-	-	-	-	-
		Shivee Khuren	Baruun Noyon	-	-	-	-	-	-
			Khuren shand	-	-	-	-	-	-
	Non coking	Khangi		-	-	-	-	-	-
		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	-	-	-	-	-	-
			Khangi	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, 2019-2023, by barrel



4.2. PETROLEUM PRODUCTION AND EXPORT, 2022-2023, by barrel

	Production		Export	
	Barrel	Share to total	Barrel	Share to total
2022	2,566,089	100.0%	2,605,910	100.0%
2022.I	17,544	0.68%	-	-
2022.II	9,921	0.39%	-	-
2022.III	9,257	0.36%	-	-
2022.IV	1,001	0.04%	-	-
2022.V	1,290	0.05%	-	-
2022.VI	38,184	1.49%	114,102	4.4%
2022.VII	351,008	13.68%	359,232	13.8%
2022.VIII	457,301	17.82%	492,619	18.9%
2022.IX	424,986	16.56%	428,311	16.4%
2022.X	417,283	16.26%	364,645	14.0%
2022.XI	410,196	15.99%	432,823	16.6%
2022.XII	428,119	16.68%	414,179	15.9%
2023	4,500,790	195.1%	4,338,294	201.6%
2023.I	430,646	9.57%	393,310	9.1%
2023.II	372,459	8.28%	368,359	8.5%
2023.III	402,971	8.95%	418,535	9.6%
2023.IV	404,419	8.99%	394,184	9.1%
2023.V	427,321	9.49%	415,226	20.9%
2023.VI	415,058	9.22%	395,403	9.1%
2023.VII	422,488	9.4%	402,896	9.3%
2023.VIII	421,433	9.4%	384,390	8.9%
2023.IX	410,287	9.1%	385,602	8.9%
2023.X	410,884	10.0%	420,693	10.6%
2023.XI	382,824	102.8%	359,696	97.6%
2023.XII		0.0%	0	0.0%
2023.X 2023.IX	100.1%	109.7%	109.1%	119.3%
2023 2022	175.4%	195.1%	166.5%	201.6%

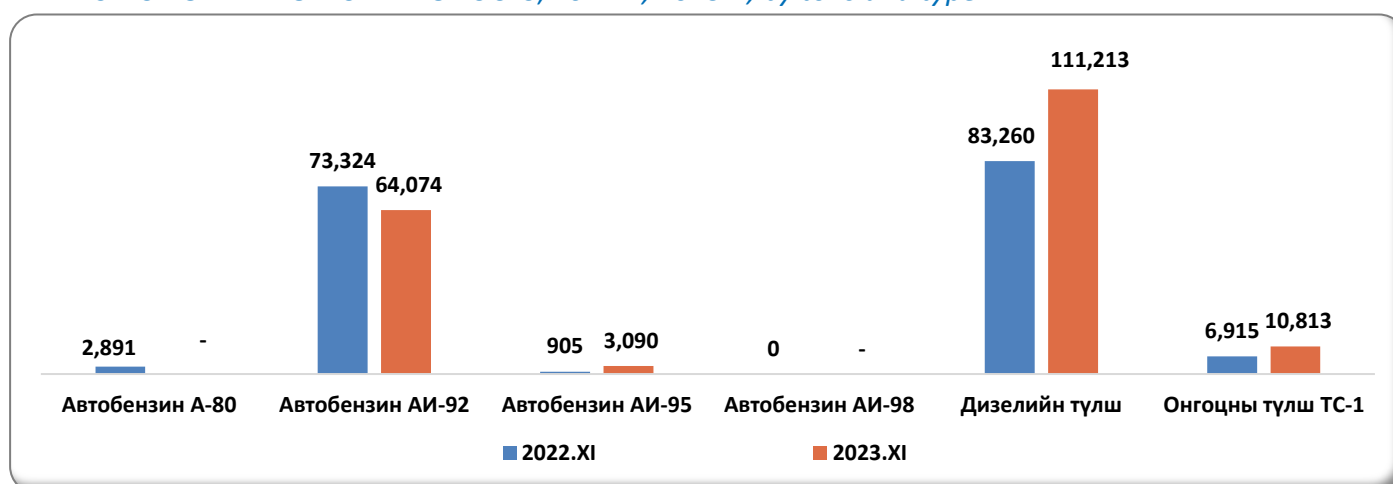
Source: Petroleum Exploitation Division, MRPAM

	Production	Export
2018	6,389,207	6,188,423
2019	6,876,055	6,546,397
2020	4,105,885	4,047,827
2021	4,667,355	4,348,231
2022	2,566,089	2,605,910
2023-XI	4,500,790	4,338,294

4.3. PETROLEUM PRODUCTS IMPORTING, 2021-2023, 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
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	0	83,809	1,805	2,030	9,317
2022.II	138,921	4,187	63,713	1,244	0	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	0	83,553	4,245	3,850	17,178
2022.VI	187,104	4,036	48,840	2,075	0	98,140	6,807	3,237	23,969
2022.VII	136,573	741	51,376	1,271	0	66,379	1,901	2,990	11,915
2022.VIII	166,937	6,911	44,534	1,559	0	90,955	4,277	9,289	9,413
2022.IX	153,678	1,292	40,452	1,209	0	79,785	8,062	2,058	20,821
2022.X	164,335	932	62,672	2,008	0	85,633	3,579	1,598	7,913
2022.XI	175,240	2,891	73,324	905	0	83,260	6,915	4,414	3,531
2022.XII	192,488	840	52,053	1,205	0	116,402	3,915	4,299	13,772
2023	2,189,328	20,572	623,552	18,614	0	1,196,362	89,711	39,173	201,344
2023.I	168,935	2,351	29,391	2,104	0	122,435	6,065	3,038	3,551
2023.II	153,583	1,440	61,738	1,463	0	71,540	9,242	4,172	3,988
2023.III	179,102	2,474	54,079	2,012	0	96,881	8,117	3,302	12,237
2023.IV	192,367	1,032	57,674	486	0	104,563	5,020	2,959	20,633
2023.V	233,854	1,695	59,760	1,265	0	136,356	10,634	6,152	17,992
2023.VI	218,606	2,751	65,375	1,607	0	114,638	8,377	2,784	23,074
2023.VII	262,698	2,795	74,997	2,004	0	139,103	5,667	4,541	33,591
2023.VIII	272,540	4,582	76,182	1,754	0	152,867	5,251	3,210	28,694
2023.IX	158,754	1,452	48,141	606	0	82,779	6,838	3,144	15,793
2023.X	147,865	0	32,141	2,223	0	63,987	13,687	1,455	34,372
2023.XI	201,024	0	64,074	3,090	0	111,213	10,813	4,417	7,418
2023.XII	0	0	0	0	0	0	0	0	0
2023.XI 2022.XI	90.0%	0.0%	51.3%	110.7%	0.0%	74.7%	382.4%	91.1%	434.4%
2023 2022	116.7%	63.3%	101.1%	82.9%	0.0%	124.3%	157.5%	90.3%	143.0%

4.4. RESIDUE OF PETROLEUM PRODUCTS, 2022.X, 2023.X, by tons and type



Source: Petroleum Products Division, MRPAM

	Автобензин А-80	Автобензин АИ-92	Автобензин АИ-95	Автобензин АИ-98	Дизелийн түлш	Онгоцны түлш ТС-1
2022.XI	2,891	73,324	905	0	83,260	6,915
2023.XI	-	64,074	3,090	-	111,213	10,813

4.5. THE WORLD AVERAGE PRICE OF PETROLEUM PRODUCTS ARE SELLING RETAIL SALE, *by last 12 months, by US\$/tons 2022.2023*

	New York / WTI		London / BRENT			
	Price	Change (compared to previous 7 days)	Price	Change (compared to previous 7 days)		
2022/12/13	73.75	↓	-4.70%	78.53	↓	-5.40%
2022/12/20	75.87	↑	2.87%	80.10	↑	2.00%
2022/12/27	80.02	↑	5.47%	84.98	↑	6.09%
2023/01/03	80.45	↑	0.54%	86.00	↑	1.20%
2023/01/10	74.62	↓	-7.25%	79.80	↓	-7.21%
2023/01/17	79.04	↑	5.92%	84.15	↑	5.45%
2023/01/24	81.62	↑	3.26%	88.15	↑	4.75%
2023/01/31	77.94	↓	-4.51%	84.64	↓	-3.98%
2023/02/07	74.44	↓	-4.49%	81.40	↓	-3.83%
2023/02/14	79.16	↑	6.34%	85.78	↑	5.38%
2023/02/20	76.60	↓	-3.23%	83.14	↓	-3.08%
2023/02/28	75.78	↓	-1.07%	82.06	↓	-1.30%
2023/03/07	80.50	↑	6.23%	86.25	↑	5.11%
2023/03/14	74.55	↓	-7.39%	80.54	↓	-6.62%
2023/03/21	67.95	↓	-8.85%	74.01	↓	-8.11%
2023/03/28	72.97	↑	7.39%	77.83	↑	5.16%
2023/04/04	80.49	↑	10.31%	84.91	↑	9.10%
2023/04/11	79.90	↓	-0.73%	84.28	↓	-0.74%
2023/04/18	80.80	↑	1.13%	84.69	↑	0.49%
2023/04/25	78.54	↓	-2.80%	82.49	↓	-2.60%
2023/05/02	75.67	↓	-3.65%	79.31	↓	-3.86%
2023/05/09	72.91	↓	-3.65%	76.70	↓	-3.29%
2023/05/16	71.34	↓	-2.15%	75.49	↓	-1.58%
2023/05/23	72.34	↑	1.40%	75.94	↑	0.60%
2023/05/30	72.95	↑	0.84%	77.12	↑	1.55%
2023/06/06	71.89	↓	-1.45%	76.48	↓	-0.83%
2023/06/13	67.28	↓	-6.41%	72.08	↓	-5.75%
2023/06/20	71.34	↑	6.03%	76.11	↑	5.59%
2023/06/27	69.44	↓	-2.66%	74.39	↓	-2.26%
2023/07/04	70.06	↑	0.89%	74.87	↑	0.65%
2023/07/11	73.19	↑	4.47%	77.82	↑	3.94%
2023/07/18	74.12	↑	1.27%	78.56	↑	0.95%
2023/07/25	79.02	↑	6.61%	82.70	↑	5.27%
2023/08/01	81.62	↑	3.29%	85.22	↑	3.05%
2023/08/08	82.34	↑	0.88%	85.72	↑	0.59%
2023/08/15	82.56	↑	0.27%	86.31	↑	0.69%
2023/08/22	80.07	↓	-3.02%	84.39	↓	-2.22%
2023/08/29	80.05	↓	-0.02%	83.79	↓	-0.71%
2023/09/05	85.88	↑	7.28%	89.02	↑	6.24%
2023/09/12	87.28	↑	1.63%	90.58	↑	1.75%
2023/09/19	91.12	↑	4.40%	94.73	↑	4.58%
2023/09/26	89.70	↓	-1.56%	91.82	↓	-3.07%
2023/10/03	88.38	↓	-1.47%	90.25	↓	-1.71%
2023/10/10	86.15	↓	-2.52%	87.94	↓	-2.56%
2023/10/17	85.41	↓	-0.86%	89.89	↑	2.22%
2023/10/24	86.14	↑	0.85%	90.49	↑	0.67%
2023/10/31	82.67	↓	-4.03%	86.64	↓	-4.25%
2023/11/07	80.92	↓	-2.12%	85.21	↓	-1.65%
2023/11/13	76.72	↓	-5.19%	80.98	↓	-4.96%
2023/11/21	77.70	↑	1.28%	82.12	↑	1.41%
2023/11/28	75.22	↓	-3.19%	80.03	↓	-2.55%

4.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2022.XI.01, 2023.XI.28 by MNT/litre, provinces,

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2022. XI.01	2023. XI.05	2023.XI.28 2022.XI.01	2022. XI.01	2023. XI.05	2023.XI.28 2022.XI.01	2022. XI.01	2023. XI.05	2023.XI.28 2022.XI.01	2022. XI.01	2023. XI.05	2023.XI.28 2022.XI.01
NATIONAL AVERAGE PRICE	2,532	2,533	100.0%	2,552	2,556	100.2%	4,037	3,991	98.9%	3,771	3,925	104.1%
Ulaanbaatar	2,370	2,370	100.0%	2,390	2,390	100.0%	3,910	3,710	94.9%	3,760	3,690	98.1%
Western region	2,802	2,802	100.0%	2,818	2,838	100.7%	4,188	4,150	99.1%	3,716	4,034	108.6%
Bayan-Ulgii	2,680	2,680	100.0%	2,700	2,800	103.7%	-	4,000		3,550	3,990	112.4%
Govi-Altai	2,780	2,780	100.0%	2,800	2,800	100.0%	4,150	4,150	100.0%	3,760	4,140	110.1%
Zavkhan	2,870	2,870	100.0%	2,890	2,890	100.0%	4,200	4,200	100.0%	3,820	4,140	108.4%
Uvs	2,880	2,880	100.0%	2,900	2,900	100.0%	4,200	4,200	100.0%	3,720	4,060	109.1%
Hovd	2,800	2,800	100.0%	2,800	2,800	100.0%	4,200	4,200	100.0%	3,730	3,840	102.9%
Hangai region	2,492	2,492	100.0%	2,512	2,512	100.0%	4,047	4,053	100.2%	3,797	3,987	105.0%
Arkhangai	2,480	2,480	100.0%	2,500	2,500	100.0%	4,040	4,040	100.0%	3,820	4,010	105.0%
Bayankhongor	2,510	2,510	100.0%	2,530	2,530	100.0%	4,050	4,050	100.0%	3,830	4,140	108.1%
Bulgan	2,470	2,470	100.0%	2,490	2,490	100.0%	4,040	4,080	101.0%	3,760	3,950	105.1%
Uvurkhangai	2,450	2,450	100.0%	2,470	2,470	100.0%	4,030	4,030	100.0%	3,810	4,060	106.6%
Orkhon	2,470	2,470	100.0%	2,490	2,490	100.0%	4,040	4,040	100.0%	3,760	3,750	99.7%
Khuvsgul	2,570	2,570	100.0%	2,590	2,590	100.0%	4,080	4,080	100.0%	3,800	4,010	105.5%
Central region	2,479	2,487	100.3%	2,499	2,499	100.0%	4,010	4,010	100.0%	3,784	3,953	104.5%
Tuv	2,420	2,470	102.1%	2,440	2,440	100.0%	3,980	3,980	100.0%	3,790	3,940	104.0%
Darkhan	2,450	2,450	100.0%	2,470	2,470	100.0%	4,020	4,020	100.0%	3,760	3,950	105.1%
Selenge	2,480	2,480	100.0%	2,500	2,500	100.0%	4,030	4,030	100.0%	3,760	3,750	99.7%
Govisumber	2,460	2,460	100.0%	2,480	2,480	100.0%	4,010	4,010	100.0%	3,790	3,980	105.0%
Dundgovi	2,510	2,510	100.0%	2,530	2,530	100.0%	4,010	4,010	100.0%	3,800	4,000	105.3%
Dornogovi	2,500	2,510	100.4%	2,520	2,520	100.0%	4,030	4,030	100.0%	3,820	4,020	105.2%
Umnugovi	2,530	2,530	100.0%	2,550	2,550	100.0%	3,990	3,990	100.0%	3,770	4,030	106.9%
Eastern region	2,520	2,513	99.7%	2,540	2,540	100.0%	4,030	4,030	100.0%	3,797	3,960	104.3%
Dornod	2,510	2,510	100.0%	2,530	2,530	100.0%	4,030	4,030	100.0%	3,770	3,980	105.6%
Sukhbaatar	2,550	2,530	99.2%	2,570	2,570	100.0%	4,070	4,070	100.0%	3,860	4,100	106.2%
Khentii	2,500	2,500	100.0%	2,520	2,520	100.0%	3,990	3,990	100.0%	3,760	3,800	101.1%

Source: Petroleum Products Division, MRPAM

4.7. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2020-2023, by MNT/litre and type

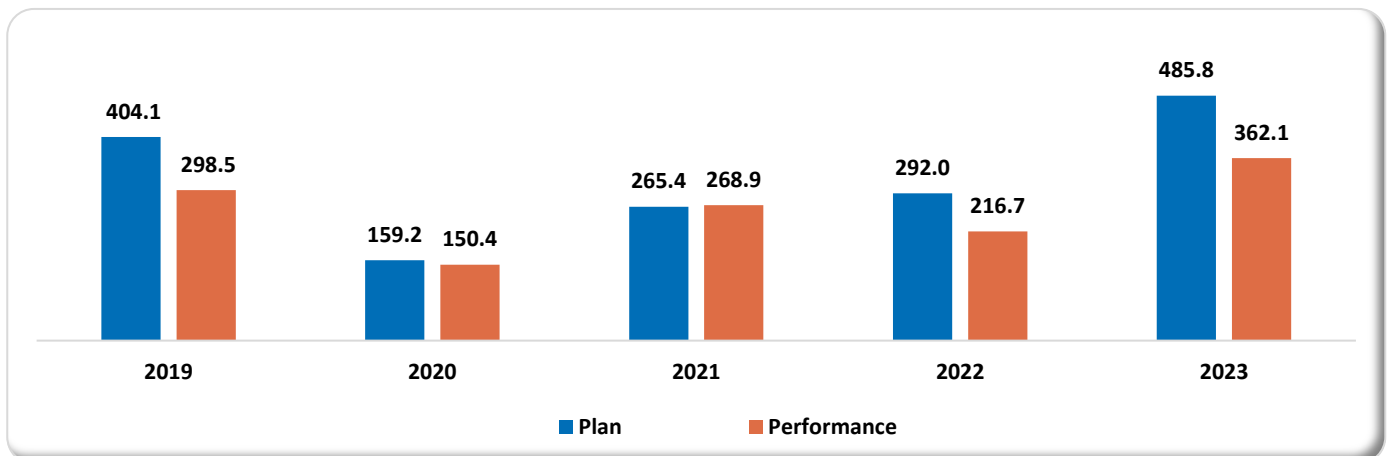
	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
2021.I.26	1483	1559	2083	2025
2021.II.23	1492	1560	2174	2112
2021.III.30	1505	1563	2183	2123
2021.IV.27	1508	1563	2183	2123
2021.V.31	1513	1545	2163	2233
2021.VI.29	1513	1545	2313	2262
2021.VII.27	1812	1846	2418	2352
2021.VIII.31	2112	2144	2513	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.II.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.X.30	2532	2552	4037	3771
2022.XI.29	2532	2552	4029	3962
2022.XII.27	2532	2552	4029	4004
2023.I.31	2532	2552	3829	4006
2023.II.28	2532	2552	3829	4006
2023.III.28	2532	2552	3829	4006
2023.IV.25	2532	2552	3829	3847
2023.V.30	2532	2552	3829	3603
2023.VI.30	2532	2552	3829	3603
2023.VII.31	2532	2552	3829	3603
2023.VIII.30	2528	2558	3826	3602
2023.IX.30	2533	2556	3828	3602
2023.X.31	2533	2556	3828	3798
2023.XI.28	2533	2556	3991	3925
2023.XI.28 2023.X.30	100.0%	100.0%	104.2%	109.0%
2023.XI.28 2022.XI.30	100.0%	100.1%	98.9%	104.1%
2023.XI.28 2021.XI.29	117.8%	117.2%	153.0%	154.5%

5 | STATE BUDGET REVENUE

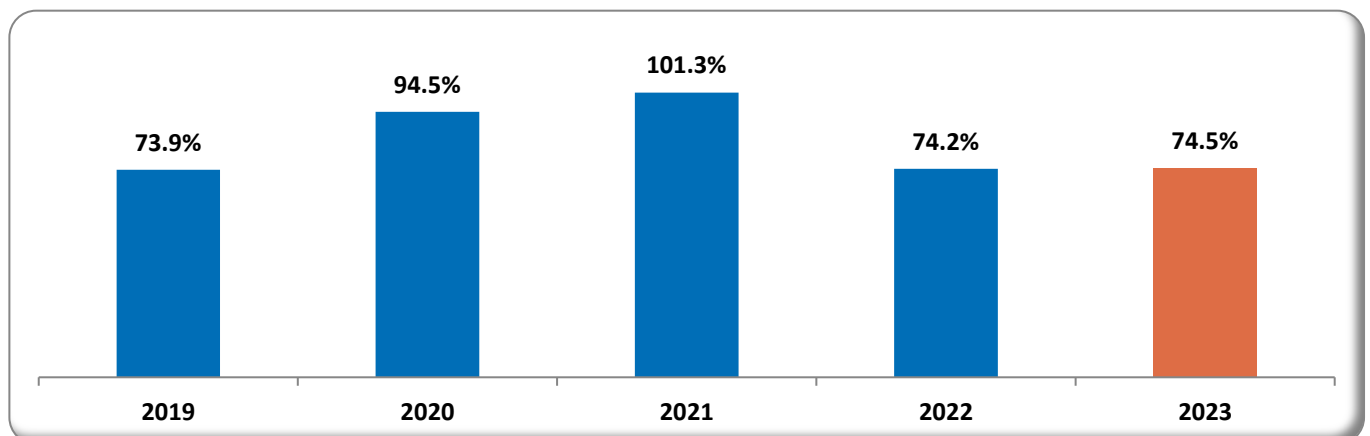
5.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, 2023-XII-01, by million.MNT and income type

	Plan (2023)	2023-XI	
		Performance	Performance rate
TOTAL	485,780.9	362,090.6	74.5%
License fee	29,720.9	34,391.1	115.7%
Reimbursement	2,962.6	1,569.4	53.0%
Petroleum export revenue	424,971.2	281,416.9	66.2%
Other revenue	3,126.2	4,713.2	150.8%
Tender revenue	25,000.0	40,000.0	160.0%

5.2. BUDGET REVENUE OF MRPAM, 2019-2023, by billion MNT

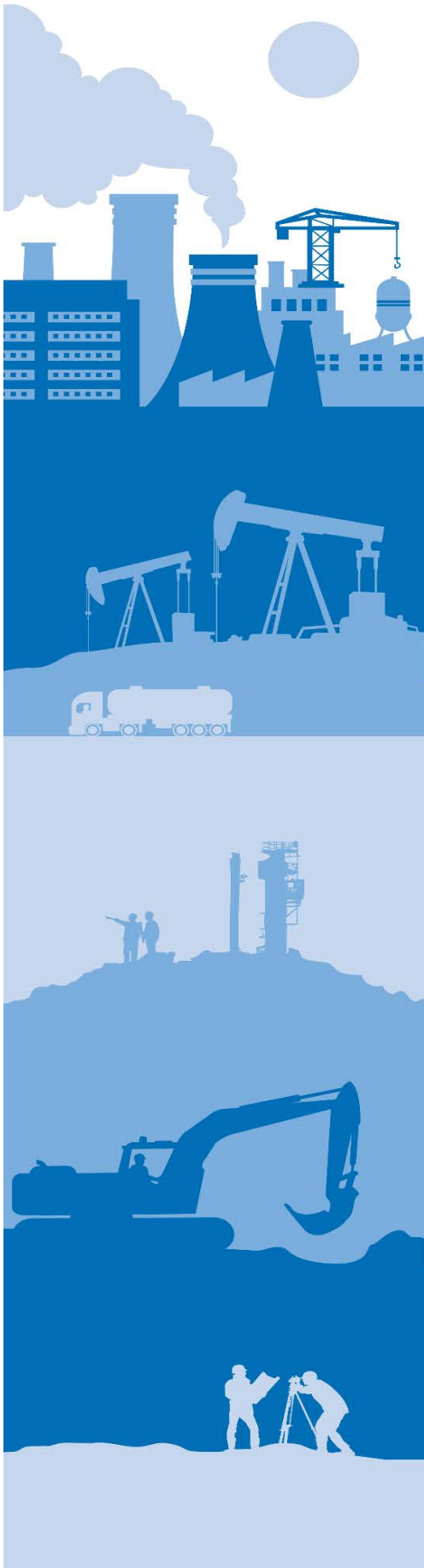


5.3. BUDGET PERFORMANCE RATE OF MRPAM, 2019-2023



Source: Finance and Investments Division, MRPAM

	Plan	Performance	Performance rate
2019	404.1	298.5	73.9%
2020	159.2	150.4	94.5%
2021	265.4	268.9	101.3%
2022	292.0	216.7	74.2%
2023	485.8	362.1	74.5%



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