



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT  
MINERAL RESOURCES AND PETROLEUM AUTHORITY



# MINERAL RESOURCES AND PETROLEUM STATISTICS 2023/07

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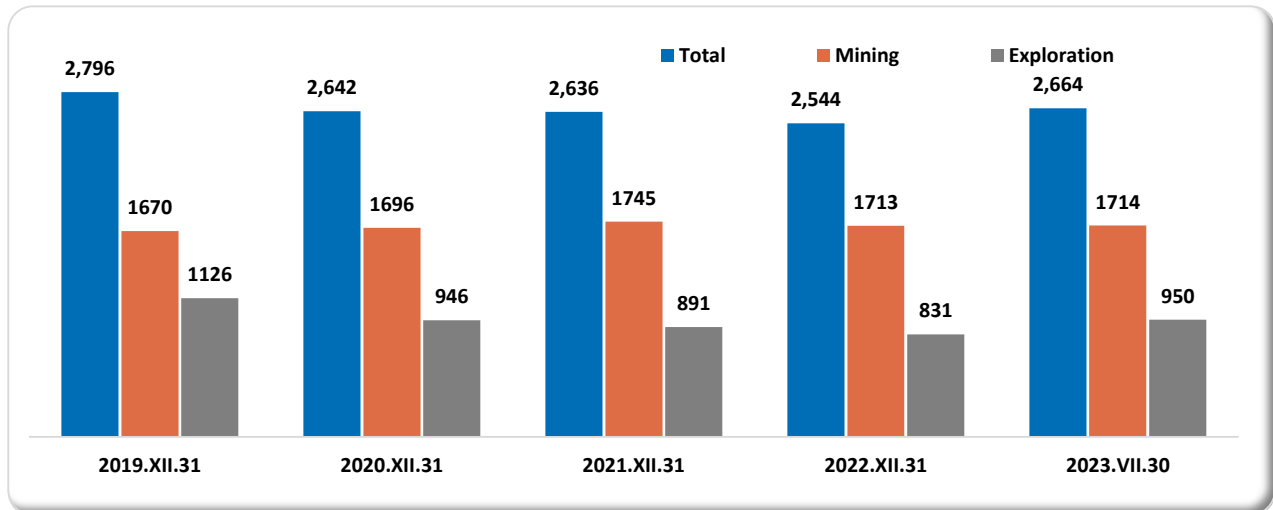
# 1 MINING AND EXPLORATION LICENSES

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

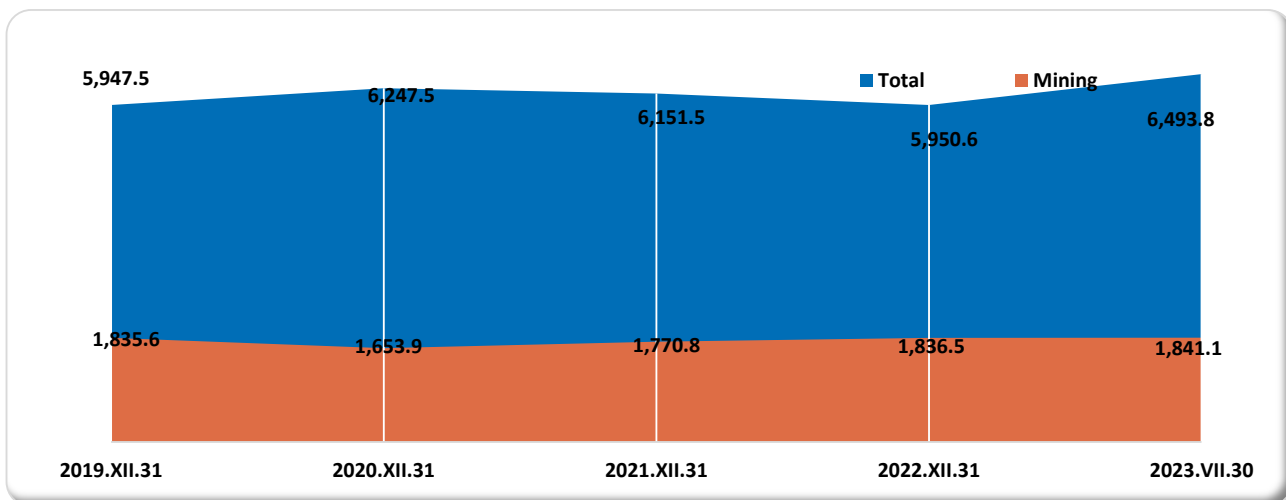
	TOTAL			Of which:					
	Number of licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Number of licenses	Area size /ths.ha/	Percent of total territory	Number of licenses	Area size /ths.ha/	Percent of total territory
<b>TOTAL</b>	<b>2664</b>	<b>6,493.8</b>	<b>4.2%</b>	<b>1714</b>	<b>1,841.1</b>	<b>1.2%</b>	<b>950</b>	<b>4,652.7</b>	<b>3.0%</b>
Arkhangai	29	29.7	0.5%	19	11.2	0.2%	10	18.5	0.3%
Bayan-Ulgii	73	228.2	5.0%	30	16.5	0.4%	43	211.7	4.6%
Bayankhongor	134	315.7	2.7%	100	167.3	1.4%	34	148.4	1.3%
Bulgan	111	203.6	4.2%	78	41.2	0.8%	33	162.4	3.3%
Govi-Altai	133	576.3	4.1%	61	105.5	0.7%	72	470.8	3.3%
Govisumber	16	44.6	8.1%	13	38.9	7.0%	3	5.8	1.0%
Darkhan Uul	69	16.0	4.9%	61	8.1	2.5%	8	7.9	2.4%
Dornogovi	351	1,004.9	9.2%	212	266.7	2.4%	139	738.2	6.8%
Dornod	164	632.2	5.1%	73	63.9	0.5%	91	568.4	4.6%
Dundgovi	195	556.1	7.4%	124	191.6	2.6%	71	364.5	4.9%
Zavhan	45	173.9	2.1%	13	21.3	0.3%	32	152.5	1.8%
Orkhon	14	17.6	21.0%	9	10.7	12.7%	5	6.9	8.2%
Uvurkhangai	55	169.3	2.7%	29	16.7	0.3%	26	152.6	2.4%
Umnugovi	162	895.7	5.4%	108	484.2	2.9%	54	411.5	2.5%
Sukhbaatar	93	319.7	3.9%	69	56.2	0.7%	24	263.4	3.2%
Selenge	179	105.5	2.5%	140	48.0	1.2%	39	57.4	1.4%
Tuv	385	360.5	4.9%	306	162.9	2.2%	79	197.6	2.7%
Uvs	105	253.4	3.6%	46	21.2	0.3%	59	232.2	3.3%
Ulaanbaatar	94	9.9	2.1%	90	9.7	2.0%	4	0.2	0.0%
Khuvsgul	96	297.0	2.9%	38	32.4	0.3%	58	264.6	2.6%
Khovd	23	11.6	0.2%	21	10.3	0.1%	2	1.3	0.0%
Khentii	216	272.3	3.4%	128	56.5	0.7%	88	215.9	2.7%

Source: Cadastre Division, MRPAM

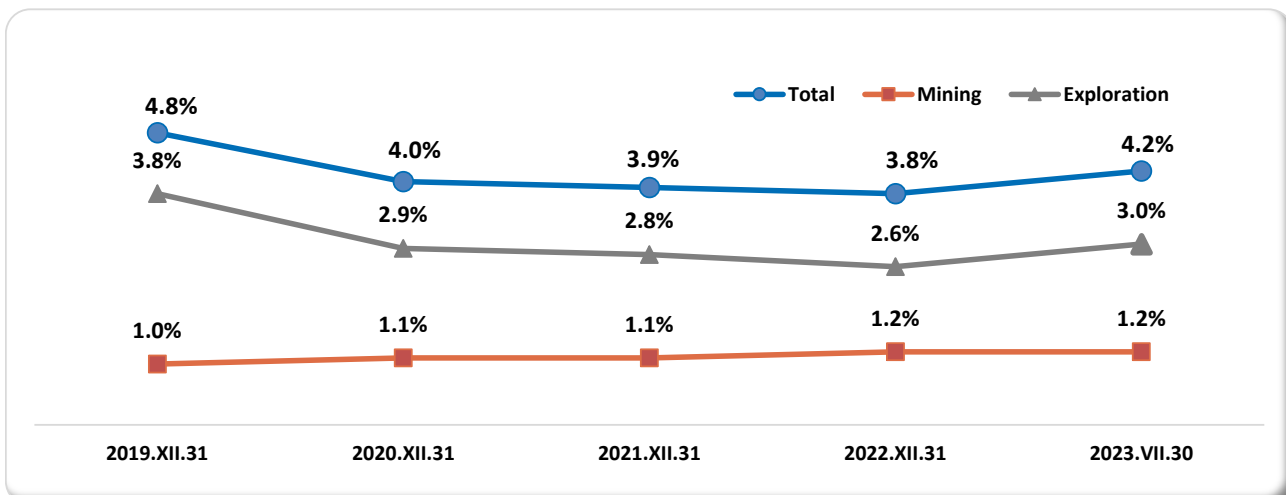
1.2. NUMBER OF TOTAL VALID LICENSES, 2019-2023



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

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

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
<b>TOTAL</b>	<b>1714</b>	<b>100.00%</b>	<b>1,841,103.5</b>	<b>100%</b>
Gold (placer)	458	26.7%	183,679.6	10.0%
Coal	304	17.7%	810,868.0	44.0%
Fluorite	214	12.5%	50,226.3	2.7%
Gold ore	92	5.4%	124,153.1	6.7%
Iron	80	4.7%	48,378.2	2.6%
limestone	80	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	23	1.3%	26,976.6	1.5%
Copper	19	1.1%	86,141.4	4.7%
Common mineral, sand	18	1.1%	1,090.6	0.1%
Tin	14	0.8%	6,797.2	0.4%
Gold (placer), Copper	12	0.7%	85,358.6	4.6%
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	8	0.5%	6,003.7	0.3%
Earth rare metal	9	0.5%	7,435.4	0.4%
Copper, Molybdenum	8	0.5%	14,328.3	0.8%
Marble	8	0.5%	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	0.4%	1,426.3	0.1%
Slide the volcano	6	0.4%	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.VII.31, by type of minerals

(Cont. Table 1.5)

	Mining license		Area size	
	Number	Share to total	Hectare	Share to total
Construction Rock	4	0.2%	19,024.8	1.0%
Gold	4	0.2%	6,106.8	0.3%
Tungsten, Tin	4	0.2%	2,833.9	0.2%
Glauberite salt	4	0.2%	1,449.0	0.1%
Silver	4	0.2%	1,050.4	0.1%
Perlit	4	0.2%	771.5	0.0%
Precious stones	4	0.2%	593.2	0.0%
Construction materials	5	0.29%	2,009.2	0.11%
Sand, Gravel	3	0.2%	21,927.3	1.2%
Gold (placer), Concentrated metal	3	0.2%	17,320.6	0.9%
Gold (placer), Silver	3	0.2%	10,853.6	0.6%
Silicium	3	0.2%	9,587.7	0.5%
Aluminium	3	0.2%	2,793.1	0.2%
Bazalit	3	0.2%	1,370.9	0.1%
Bitumen	3	0.2%	601.5	0.0%
Common Construction, Clay, Rock	3	0.2%	599.1	0.0%
Granite	3	0.2%	275.3	0.0%
Gold ore, Silver	2	0.1%	6,206.0	0.3%
Gold, Copper	2	0.1%	3,158.1	0.2%
Face stone	2	0.1%	2,618.6	0.1%
Gold (placer), Clay, Sand	2	0.1%	2,041.2	0.1%
Zinc	2	0.1%	1,969.8	0.1%
Iron, Concentrated metal	2	0.1%	1,375.3	0.1%
Quartz	2	0.1%	525.4	0.0%
Keramzite Clay	2	0.1%	207.8	0.0%
Common mineral, Keramzite Clay	2	0.1%	183.5	0.0%
Iron, limestone	2	0.1%	168.5	0.0%
Copper, Concentrated metal, Gold, Clay, S	1	0.1%	8,489.9	0.5%
Gold, Polymetal	1	0.1%	7,120.6	0.4%
Copper, Molybdenum, Gold	1	0.1%	5,236.0	0.3%
Lithium	1	0.1%	4,720.2	0.3%
Gold ore, Concentrated metal	1	0.1%	4,668.6	0.3%
Concentrated metal, Rock	1	0.1%	4,533.3	0.2%
Copper, Nickel	1	0.1%	4,523.6	0.2%
Iron, Molybdenum	1	0.1%	4,050.1	0.2%
Gold (placer), Gold ore	1	0.1%	3,404.3	0.2%
Graphite, limestone	1	0.1%	3,000.6	0.2%
Copper, Zinc	1	0.1%	2,899.3	0.2%

1.5.2. NUMBER OF MINING LICENSE AND AREA SIZE, 2023.VII.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	0.1%	2,085.6	0.1%
Molybdenum, Rhenium	1	0.1%	1,789.4	0.1%
Coal, Gold (placer)	1	0.1%	1,767.2	0.1%
Concentrated metal, Sand	1	0.1%	1,762.7	0.1%
Coal, Sand, Gravel	1	0.1%	1,444.1	0.1%
Zinc, Silver, Lead	1	0.1%	874.7	0.0%
Common mineral, Construction Rock	1	0.1%	750.8	0.0%
Mica	1	0.1%	596.2	0.0%
Nickel	1	0.1%	524.6	0.0%
limestone, Rock	1	0.1%	435.2	0.0%
Bargilt	1	0.1%	335.0	0.0%
Fluorite, Tungsten	1	0.1%	302.5	0.0%
Bazalit, Common mineral	1	0.1%	277.5	0.0%
Gold (placer), Iron	1	0.1%	251.4	0.0%
Color metal	1	0.1%	227.5	0.0%
Silver, Concentrated metal	1	0.1%	182.8	0.0%
Beryllium	1	0.1%	132.1	0.0%
Agalmatolite, Baryte	1	0.1%	125.7	0.0%
Garnet	1	0.1%	86.3	0.0%
Gold, Clay, Sand	1	0.1%	79.4	0.0%
Sand	1	0.1%	66.7	0.0%
Zeolite, Common mineral	1	0.1%	64.8	0.0%
Red jasper	1	0.1%	49.3	0.0%
Green jasper	1	0.1%	47.5	0.0%
Common mineral, Sand, Gravel, Rock	1	0.1%	39.3	0.0%
Common mineral, Sand, Rock	1	0.1%	38.6	0.0%
Sand, Common mineral	1	0.1%	37.1	0.0%
Gold (placer), Coal	1	0.1%	35.9	0.0%
Common mineral, Sand, Gravel, Rock	1	0.1%	32.1	0.0%
Fluorite, limestone	1	0.1%	26.6	0.0%
Magnesite	1	0.1%	26.5	0.0%
Coal, Clay	1	0.1%	26.4	0.0%
Copper, Common Mineral, Gravel	1	0.1%	26.0	0.0%
Common mineral	1	0.1%	25.8	0.0%
Clay, Common mineral	1	0.1%	21.3	0.0%
Construction materials, Common mineral	1	0.1%	18.6	0.0%

Source: Cadastre Division, MRPAM

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

	Hectare	Share of total territory
Valid mining licensed area	1.8	1.2%
Valid exploration licensed area	4.6	2.9%
State protected area	33.9	21.7%
Special purpose area	34.4	22.0%
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.VII.30, by provinces

	Area		Area size	
	Number	Share to total	Hectare	Share to total
<b>TOTAL</b>	<b>68</b>	<b>99%</b>	<b>231.9</b>	<b>99%</b>
Arkhangai	0	0.0%	0.00	0.0%
Bayan-Ulgii	0	0.0%	0.00	0.0%
Bayankhongor	0	0.0%	0.00	0.0%
Bulgan	0	0.0%	0.00	0.0%
Govi-Altai	0	0.0%	0.00	0.0%
Darkhan Uul	0	0.0%	0.00	0.0%
Dornogovi	2	2.9%	9.39	4.0%
Dornod	0	0.0%	0.00	0.0%
Dundgovi	3	4.3%	6.36	2.7%
Uvurkhangai	9	13.0%	35.07	14.9%
Umnugovi	0	0.0%	0.00	0.0%
Selenge	13	18.8%	62.96	26.7%
Tuv	2	2.9%	2.74	1.2%
Ulaanbaatar	0	0.0%	0.00	0.0%
Khovd	3	4.4%	6.00	2.5%
Uvs	1	1.4%	3.58	1.5%
Khentii	36	52.2%	109.42	46.5%

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

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
<b>БҮГД</b>	<b>1713</b>	<b>2664</b>	<b>6,493,757.8</b>	<b>100%</b>
Mongolian entities	1378	2132	4,937,371.5	76.0%
100% foreign entities	243	381	1,254,554.6	19.3%
Joint foreign entities	92	151	301,831.7	4.6%

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

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
<b>TOTAL</b>	<b>243</b>	<b>381</b>	<b>1,254,554.6</b>	<b>100%</b>
China	133	167	398,639.22	31.78%
Virgin Islands	25	45	80,414.06	6.41%
Hong Kong	14	24	255,180.76	20.34%
Canada	14	29	85,448.66	6.81%
Singapore	12	49	304,423.42	24.27%
South Korea	11	13	17,780.00	1.42%
Russia	4	4	29,059.86	2.32%
Australia	4	4	321.01	0.03%
Great Britain	3	4	6,038.72	0.48%
Switzerland	2	3	19,929.15	1.59%
Luxemburg	2	6	13,528.21	1.08%
Holland	2	3	3,015.13	0.24%
Japan	2	10	6,620.18	0.53%
United States of America	2	2	603.89	0.05%
Germany	2	4	2,442.31	0.19%
Bulgaria	1	2	10,503.76	0.84%
Russia, China	1	1	1,933.96	0.15%
Thailand	1	1	3,700.94	0.30%
Seychelles	1	1	118.15	0.01%
Virgin Islands, Singapore	1	1	47.50	0.00%
Malaysia	1	2	2,416.53	0.19%
Russia, South Korea	1	1	375.18	0.03%
Australia, China	1	1	136.46	0.01%
Ireland, Great Britain	1	2	8,795.35	0.70%
kazakhstan	1	1	3,027.92	0.24%
Great Britain, China	1	1	54.23	0.00%

Source: Cadastre Division, MRPAM



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

	Holder	License	Area size	
	Number	Number	Hectare	Share to total
<b>TOTAL</b>	<b>92</b>	<b>151</b>	<b>301,831.7</b>	<b>100%</b>
Mongolia, China	39	53	47092.52	15.60%
Mongolia, Singapore	10	25	37022.33	12.27%
Mongolia, South Korea	9	13	26831.01	8.89%
Mongolia, Russia	8	11	3661.05	1.21%
Mongolia, Virgin Islands	5	13	47640.04	15.78%
Mongolia, Japan	5	7	24787.59	8.21%
Mongolia, Hong Kong	2	3	5748.07	1.90%
Mongolia, Germany	2	4	17911.39	5.93%
Mongolia, Czech Republic	2	7	23454.23	7.77%
Mongolia, Kazakhstan	1	1	87.42	0.03%
Mongolia, Bulgaria	1	1	1469.53	0.49%
Mongolia, Great Britain	1	1	46.87	0.02%
Mongolia, Canada, China	1	1	1561.28	0.52%
Mongolia, Luxemburg	1	3	1083.66	0.36%
Mongolia, Russia, Ukraine	1	3	43809.33	14.51%
Mongolia, Poland	1	2	10011.16	3.32%
Mongolia, Singapore, Hong Kong	1	1	6352.79	2.10%
Mongolia, Hong Kong, Japan	1	1	1472.04	0.49%
Mongolia, Hungary	1	1	1789.37	0.59%

Source: Cadastre Division, MRPAM

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

	License		Area	
	Number	Share to total	Hectare	Share to total
<b>TOTAL</b>	<b>229</b>	<b>100%</b>	<b>223,377.2</b>	<b>100.0%</b>
Trade and Development Bank	45	19.65%	29842.89	13.36%
Golomt Bank	25	10.92%	24279.74	10.87%
Development Bank of Mongolia	25	10.92%	18914.84	8.47%
HAAN Bank	23	10.04%	6034.9	2.70%
ABTS NBFİ	17	7.42%	28681.71	12.84%
Transport Development bank	12	5.24%	10230.34	4.58%
Capital Bank	9	3.93%	1098.2	0.49%
XAC Bank	7	3.06%	2658.48	1.19%
European Bank for Reconstruction and Development	6	2.62%	2509.48	1.12%
Chinggııs Khan Bank	6	2.62%	6471.14	2.90%
Capitron bank	6	2.62%	2409.46	1.08%
Golomt, Saving, Zoos, Anod Banks	6	2.62%	3277.74	1.47%
Anod Bank	3	1.31%	1980.98	0.89%
Bank of China	3	1.31%	871.57	0.39%
GSB capital NBFİ	3	1.31%	9884.4	4.42%
Khutult nomgon NBFİ	2	0.87%	32711.67	14.64%
Bilegnasan NBFİ	2	0.87%	150.31	0.07%
Erel bank	2	0.87%	3014.31	1.35%
National Investment Bank	2	0.87%	789.65	0.35%
Ulaanbaatar City bank	2	0.87%	17131.1	7.67%
First litium Corporation NBFİ	2	0.87%	1180.45	0.53%
Great Capital NBFİ	2	0.87%	271.73	0.12%
State Bank	2	0.87%	804.98	0.36%
National Investment bank	1	0.44%	275.01	0.12%
Green Fintek NBFİ	1	0.44%	148.91	0.07%
Saving bank	1	0.44%	583.36	0.26%
Export-Import Bank of China	1	0.44%	1623.8	0.73%
Ecocapital NBFİ	1	0.44%	56.83	0.03%
RUS Finance NBFİ	1	0.44%	1773.74	0.79%
Jet finance NBFİ	1	0.44%	86.57	0.04%
Mongol Post bank	1	0.44%	227.45	0.10%
Turquoise Finance NBFİ	1	0.44%	8489.92	3.80%
Khas Khaan NBFİ	1	0.44%	235.57	0.11%
Standard Chartered Bank	1	0.44%	25.75	0.01%
Credit Express NBFİ	1	0.44%	178.08	0.08%
Munkh OrshiKh Capital NBFİ	1	0.44%	1767.19	0.79%
Kherlen Onon Tuul NBFİ	1	0.44%	9.03	0.00%
Achit Capital NBFİ	1	0.44%	368.3	0.16%
Gasprom bank	1	0.44%	673.41	0.30%
Construction commercial investment NBFİ	1	0.44%	1654.22	0.74%
Bayasakh Sonor NBFİ	1	0.43%	1654.22	0.74%

Source: Cadastre Division, MRPAM

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

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
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. VII.30

No	Name of entity	Number of license	Area size /ha/	Company type	Nationality
1	Tsaina investment mongolia	14	199,514.5	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

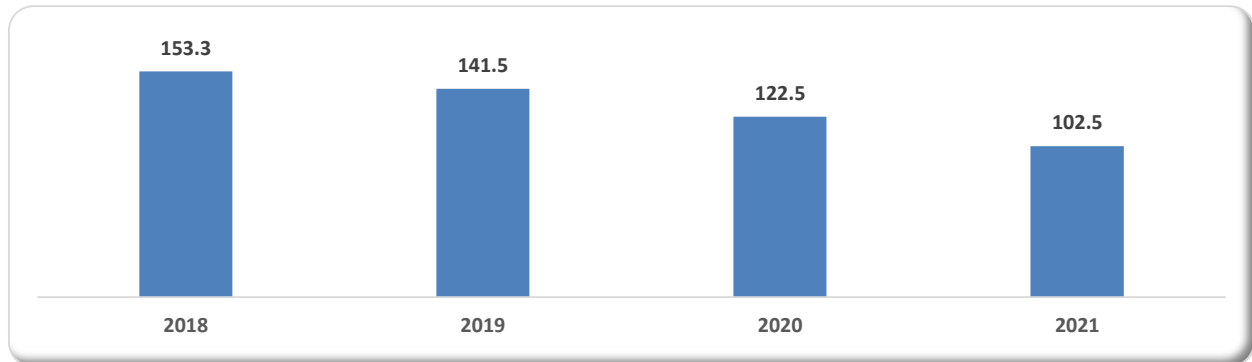
	2019	2020	2021	2022	2023-VII
<b>TOTAL</b>	<b>698</b>	<b>502</b>	<b>943</b>	<b>600</b>	<b>529</b>
<b>New license</b>	<b>218</b>	<b>253</b>	<b>463</b>	<b>247</b>	<b>398</b>
Mining	73	87	47	29	9
Exploration	0	0	0	0	0
Tender	145	166	416	218	389
<b>Extension</b>	<b>273</b>	<b>75</b>	<b>337</b>	<b>224</b>	<b>61</b>
Mining	0	0	1	2	17
Exploration	273	75	336	222	44
<b>Transfer</b>	<b>72</b>	<b>80</b>	<b>76</b>	<b>66</b>	<b>44</b>
Mining	24	32	19	14	9
Exploration	48	48	57	52	35
<b>Pledge</b>	<b>25</b>	<b>28</b>	<b>38</b>	<b>25</b>	<b>10</b>
Mining	24	28	34	22	9
Exploration	1	0	4	3	1
<b>Surrender</b>	<b>110</b>	<b>66</b>	<b>29</b>	<b>38</b>	<b>16</b>
Mining	12	16	6	13	6
Exploration	98	50	23	25	10

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

	2019	2020	2021	2022	2023-VII
<b>New license</b>	<b>130</b>	<b>90</b>	<b>163</b>	<b>93</b>	<b>147</b>
Mining	59	55	54	36	10
Exploration	0	8	0	7	0
Tender	71	27	109	50	137
<b>Surrendered</b>	<b>93</b>	<b>71</b>	<b>26</b>	<b>34</b>	<b>15</b>
Mining	11	16	4	12	4
Exploration	82	55	22	22	11
<b>Canceled</b>	<b>189</b>	<b>140</b>	<b>75</b>	<b>45</b>	<b>23</b>
Mining	70	52	30	20	12
Exploration	119	88	45	25	11
<b>Expired</b>	<b>209</b>	<b>133</b>	<b>120</b>	<b>100</b>	<b>12</b>
<b>Transferred</b>	<b>71</b>	<b>83</b>	<b>74</b>	<b>63</b>	<b>46</b>
Mining	24	35	16	16	10
Exploration	47	48	58	47	36
<b>Extended</b>	<b>300</b>	<b>68</b>	<b>246</b>	<b>291</b>	<b>35</b>
<b>Pledged</b>	<b>23</b>	<b>27</b>	<b>38</b>	<b>22</b>	<b>14</b>
Mining	23	27	34	20	12
Exploration	0	0	4	2	2
<b>Terminated pledges</b>	<b>31</b>	<b>28</b>	<b>16</b>	<b>23</b>	<b>19</b>
Mining	30	28	16	22	19
Exploration	1	0	0	1	0
<b>Re-issue of license documents</b>	<b>27</b>	<b>17</b>	<b>11</b>	<b>6</b>	<b>7</b>
Mining	14	11	5	4	5
Exploration	13	6	6	2	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

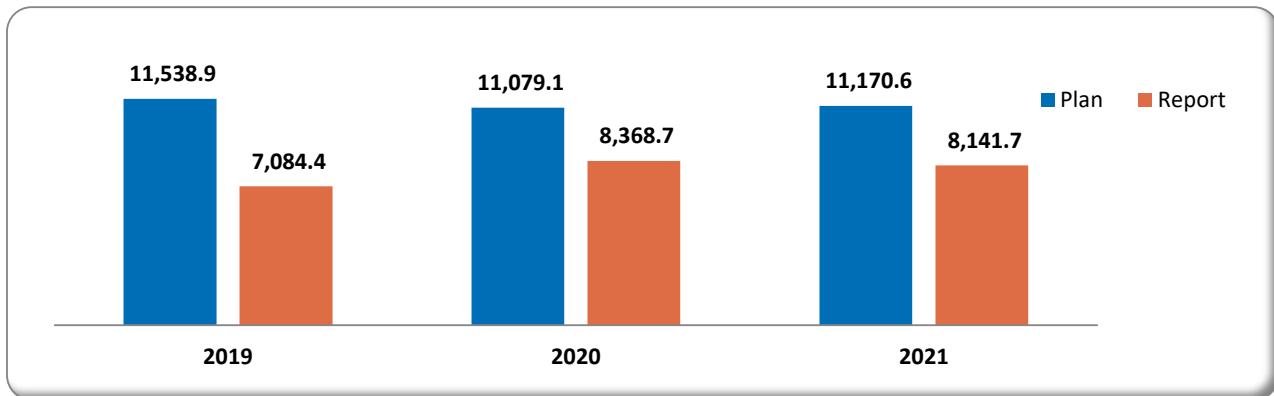
	2020		2021	
	Total amount	Share to total	Total amount	Share to total
<b>TOTAL</b>	<b>122,517.4</b>	<b>100%</b>	<b>102,519.5</b>	<b>100%</b>
Preparation	2,622.5	2.1%	2,827.9	2.8%
Mapping	2,003.8	1.6%	1,581.6	1.5%
Geological survey	1,590.3	1.3%	1,325.4	1.3%
Sampling	875.8	0.7%	1,069.3	1.0%
Geophysical 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

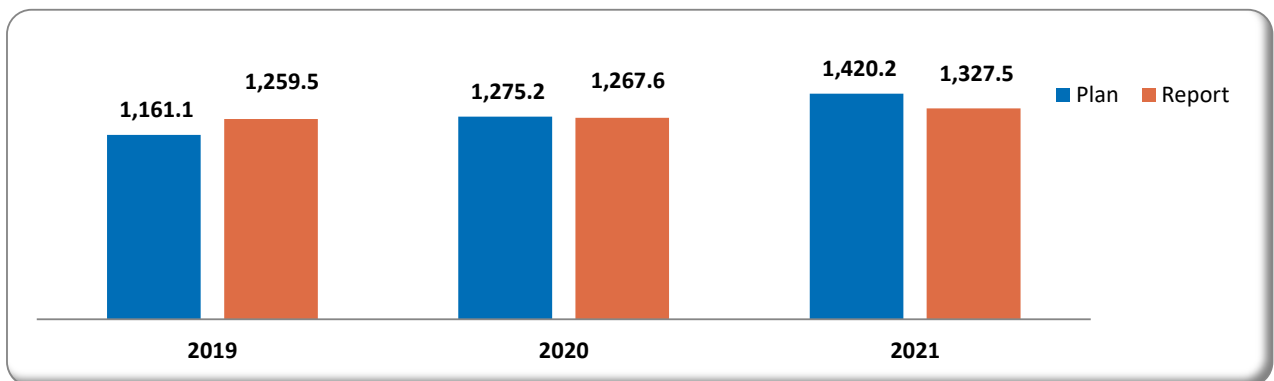
### 3.1. MINERAL MINING ACTIVITY PLAN AND REPORT OFFICIAL STATUS, 2018-2022, (2023.I.05)

	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%	-	-	-

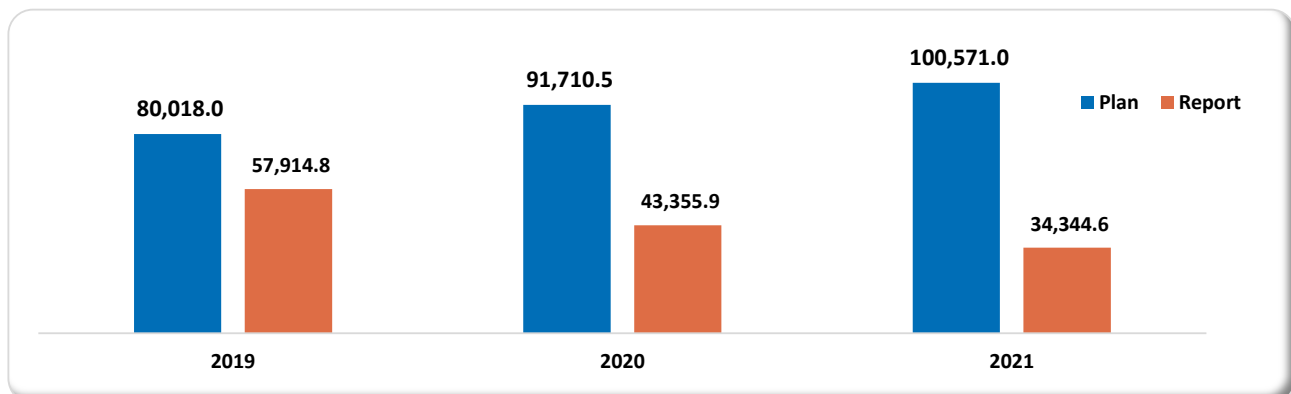
### 3.2. GOLD PRODUCTION, 2019-2021, (2023.I.12), by kg, mined from hard rock and placer deposits



### 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.III.03), 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
<b>TOTAL</b>	<b>217</b>	<b>3,207.6</b>	<b>100%</b>	<b>754.6</b>	<b>100%</b>	<b>444.3</b>	<b>100%</b>
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.

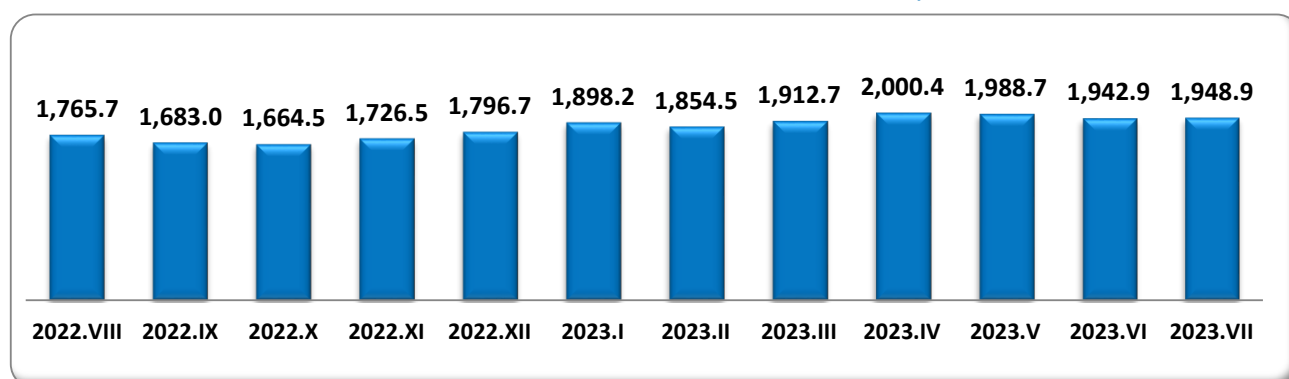
Source: Mining Division, MRPAM



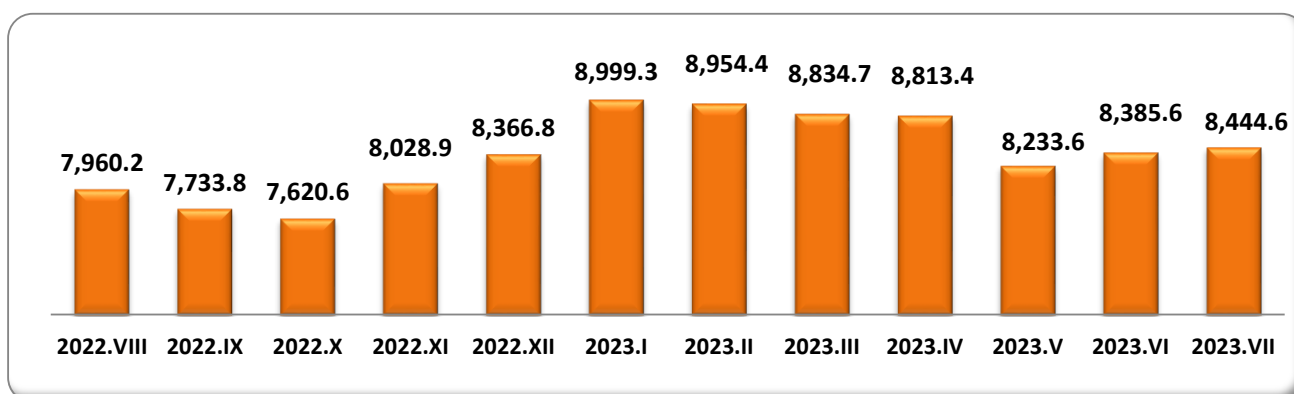
## 3.8. AVERAGE PRICES OF MINERALS ON THE WORLD MARKET, 2022-2023

	Unit of measurement	2022	2023.VI	2023.VII	2023.VII 2022	2023.VII 2023.W
Gold	\$/ounce	1,800.8	1,988.7	1,942.9	107.9%	97.7%
Silver	\$/ounce	21.8	24.2	23.4	107.6%	96.6%
Copper	\$/tons	8,813.9	8,233.6	8,385.6	95.1%	101.8%
Zinc	\$/tons	3,484.4	2,477.1	2,367.6	67.9%	95.6%
Blue lead	\$/tons	2,152.7	2,086.8	2,117.6	98.4%	101.5%
Tin	\$/tons	31,361.9	25,586.1	27,243.3	86.9%	106.5%
Molybdenum	\$/tons	41,135.5	46,718.1	49,138.0	119.5%	105.2%
Manganese 36%	\$/tons	191.1	164.2	157.5	82.4%	96.0%
Tungsten, 99%	\$/tons	43,093.3	41,661.9	41,776.2	96.9%	100.3%
Tungsten, 65%	\$/tons	16,903.8	17,237.0	16,859.7	99.7%	97.8%
Iron ore 56%	\$/tons	83.7	76.8	81.6	97.6%	106.3%
Iron ore 60% concentrate	\$/tons	106.8	92.0	100.6	94.2%	109.3%
Fluorite concentrate AG-97	\$/tons	367.1	415.0	415.0	113.1%	100.0%
Fluorite ore MG-85	\$/tons	345.4	355.0	355.0	102.8%	100.0%
Uranium	\$/kg	109.8	120.3	123.7	112.6%	102.8%

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

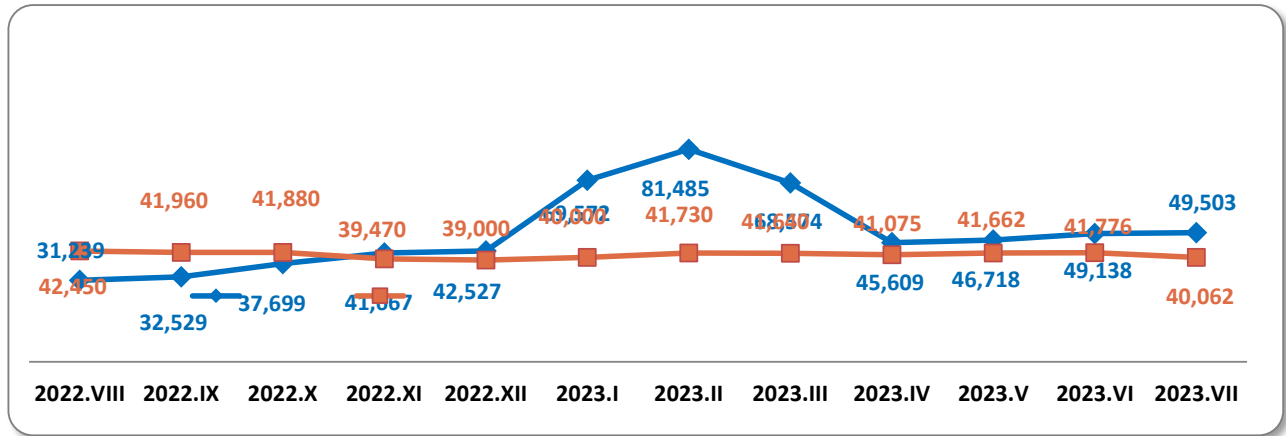


## 3.10. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, in last 12 months, by US\$/tons

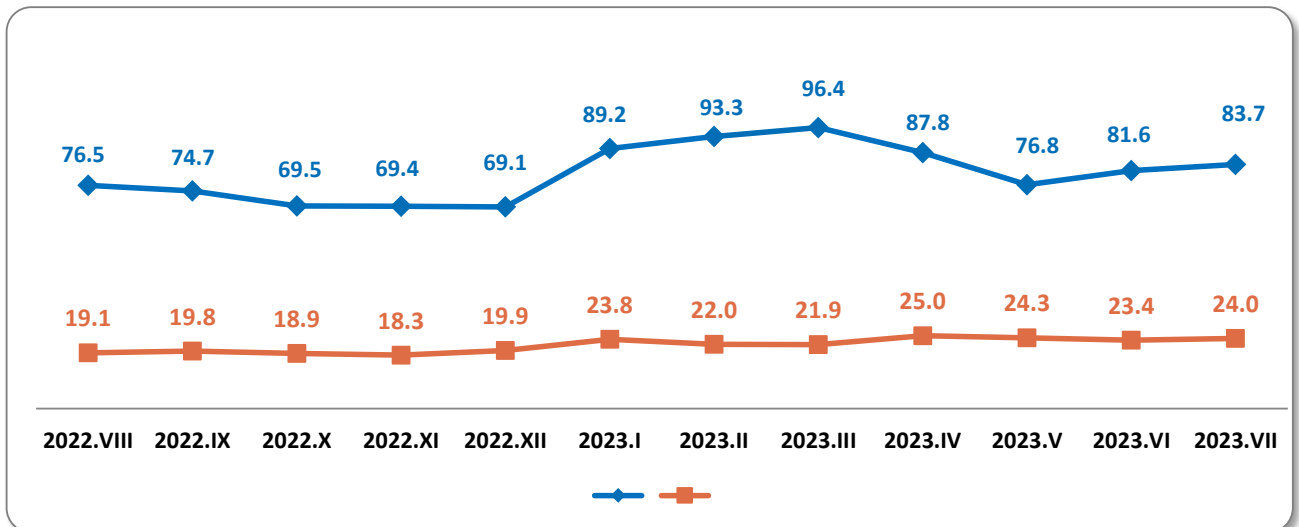


Source: [www.kitco.com](http://www.kitco.com), [www.westmetall.com](http://www.westmetall.com), [www.lme.com](http://www.lme.com), [www.asianmetal.com](http://www.asianmetal.com), [www.lndmin.com](http://www.lndmin.com), [www.umetal.com](http://www.umetal.com), [www.sxcoal.com](http://www.sxcoal.com)

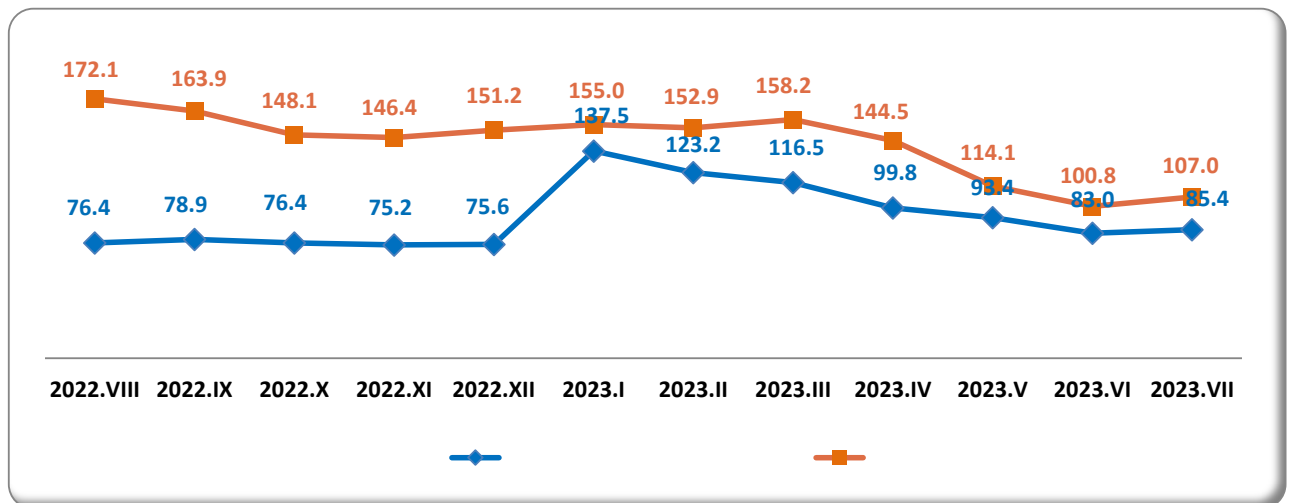
3.11. AVERAGE PRICE OF TIN, MOLYBDENUM AND TUNGSTEN ON THE WORLD MARKET, in last 12 months, by US\$/tons



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\$/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, 2021-2023

	Stock exchange	Symbol	Currency	Average price						Market value /2023.VIII.07/
				2021	2022	2023.VI	2023.VII	2022/2021	2023.VII/2023.VI	
Peabody Energy Corporation	NYQ	BTU	USD	8.74	22.87	20.31	21.72	38.2%	106.9%	<b>3.156B</b>
Rio Tinto plc	LSE	RIO.L	GBp	5,599.4	5308.8	5,103.9	5,107.6	105.5%	100.1%	<b>78.828B</b>
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	1.03	1.18	0.85	0.75	87.3%	88.2%	<b>131.688M</b>
Mongolian Mining Corporation	HKG	0975.HK	HKD	2.29	2.20	1.96	2.22	104.1%	113.3%	<b>2.492B</b>
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.32	1.23	0.84	0.75	107.3%	89.3%	<b>209.647M</b>
Centerra Gold Inc.	TOR	CG.TO	CAD	10.6	8.89	7.97	8.24	119.2%	103.4%	<b>1.764B</b>
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.4	0.35	0.37	0.38	114.3%	102.7%	<b>122.262M</b>
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.8	0.93	1.19	1.24	86.0%	104.2%	<b>264.882M</b>
Silver Elephant Mining Corp.	TOR	ELEF.TO	CAD	0.33	0.91	0.36	0.33	36.3%	91.7%	<b>10.588M</b>
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.82	1.20	0.89	0.81	151.7%	91.0%	<b>81.04M</b>
Kincora Copper Limited	VAN	KCC.V	CAD	0.21	0.08	0.05	0.06	262.5%	120.0%	<b>7.496M</b>
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.148	0.09	0.09	-	164.4%	-	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.07	0.03	0.07	0.09	233.3%	128.6%	<b>175.247M</b>
Aspire Mining Limited	ASX	AKM.AX	AUD	0.086	0.09	0.06	0.07	95.6%	116.7%	<b>43.149M</b>
Haranga Resources Limited	ASX	HAR.AX	AUD	-	0.18	0.11	0.13	-	118.2%	
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.038	0.04			95.0%	-	-
TerraCom Limited	ASX	TER.AX	AUD	0.14	0.69	0.45	0.44	20.3%	97.8%	<b>336.406M</b>
Viking Mines Limited	ASX	VKA.AX	AUD	0.03	0.01	0.01	0.01	300.0%	100.0%	<b>10.253M</b>
Banpu Public Company Limited	SET	BANPU.BK	THB	11.83	12.41	8.78	9.16	95.3%	104.3%	<b>78.624B</b>
Petro Matad Limited	LSE	MATD.L	GBp	3.89	3.03	4.12	4.62	128.4%	112.1%	<b>46.783M</b>
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-
Elixir Energy Limited	ASX	EXR.AX	AUD	0.26	0.16	0.09	0.08	162.5%	88.9%	<b>81.07M</b>
Aranjin resources Limited	TSXV	ARJN.V	CAD		0.03	0.02	0.02	0.0%	100.0%	<b>5.438M</b>
Ion Energy Limited	TSXV	ION.V	CAD		0.27	0.23	0.24	0.0%	104.3%	<b>14.908M</b>
TMK Energy Limited	ASX	TMK.AX	AUD		0.02	0.01	0.01	0.0%	100.0%	<b>75.459M</b>
Jade Gas Holdings Limited	ASX	JGH.AX	AUD		0.06	0.04	0.05	0.0%	125.0%	<b>64.65M</b>

Source: [www.nyse.com](http://www.nyse.com), [www.londonstockexchange.com](http://www.londonstockexchange.com), [www.hkex.com.hk](http://www.hkex.com.hk), [www.tmx.com](http://www.tmx.com), [www.tsx.com](http://www.tsx.com), [www.asx.com.au](http://www.asx.com.au),

### 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.VI	2023.VII	<u>2022</u> 2021	<u>2023.VII</u> 2023.VI
Tavantolgoi	TTL	7,328.4	<b>7513.07</b>	<b>10931.9</b>	<b>11322.5</b>	97.5%	103.6%
Baganuur	BAN	1,021.9	<b>963.85</b>	930.2	-	94.3%	#VALUE!
Shivee-Ovoo	SHV	1,580.3	<b>1606.89</b>	1483.0	1425.0	101.7%	96.1%
Aduunchuluun	ADL	805.1	<b>809.45</b>	621.01	750	100.5%	120.8%
Shariin Gol	SHG	833.1	<b>674.41</b>	584.28	-	81.0%	#VALUE!
Erdene Resource Development Corporation	ERDN	840.1	<b>820.24</b>	906.76	932.62	97.6%	102.9%
Mogoin gol	BDL	8,195.8	<b>9092.74</b>	15280	15300	110.9%	100.1%
Bayanteeg	BTG	20,764.3	<b>22125</b>	20000	20000	106.6%	-
Berkh-Uul	BEU	1,168.7	<b>1161.17</b>	1481.75	-	99.4%	-
Khar Tarvagatai	TVT	2,398.1	<b>3919.47</b>	4600.0	4500.0	163.4%	-
Taliin Gal	TAL	-	-	-	-	-	-
Mongol Basalt	MBW	163.6	<b>207.06</b>	206.93	204.86	126.5%	99.0%
Mongol Ceramic	KEK	15,557.5	<b>5044.39</b>	1530	1460	32.4%	-
Silikat	SIL	31.4	<b>30.78</b>	28.5	24.5	98.0%	86.0%
Songolon barmat	SSG	1,572.8	<b>1299.17</b>	1525	2047	82.6%	-
Remicon	RMC	23.3	<b>23.5</b>	34.65	32.76	101.0%	94.5%
Arig Tal	EER	2,309.9	<b>2794.54</b>	2827.5	3000	121.0%	106.1%
Niislel-Urguu	NUR	1,959.8	-	-	-	-	-
Erchim Bayan-Ulgii	BOE	1,784.9	<b>2750.49</b>	-	-	154.1%	-
Khukh Gan	HGN	62.9	<b>53.95</b>	68.5	67	85.8%	97.8%
Nako Tulsh	NKT	15.2	-	-	-	-	-

Source: [www.mse.mn](http://www.mse.mn)

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



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

	Production	Sale	Export
<b>2022</b>	<b>39,340.0</b>	<b>39,122.9</b>	<b>27,545.1</b>
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
<b>2023</b>	<b>40,603.0</b>	<b>38,936.9</b>	<b>31,892.1</b>
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	-	-	-
2023.IX	-	-	-
2023.X	-	-	-
2023.XI	-	-	-
2023.XII	-	-	-
<b>2023.VII</b> <b>2022.VII</b>	<b>248.2%</b>	<b>198.5%</b>	<b>209.4%</b>
<b>2023</b> <b>2022</b>	<b>103.2%</b>	<b>99.5%</b>	<b>115.8%</b>

Source: Mining Division, MRPAM

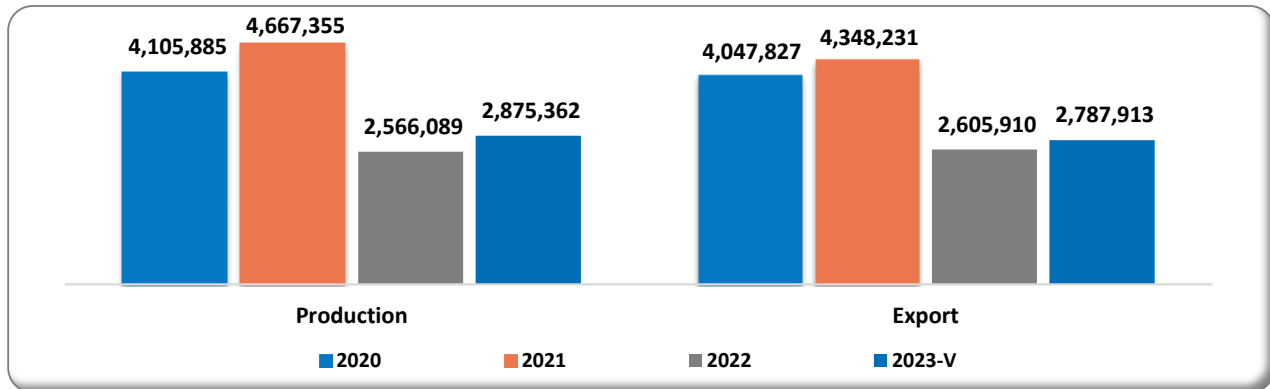
## 3.18. AVERAGE QUALITY OF EXPORTED COAL, 2022.XI

Type of coal	Classification	Border name	Deposit name	Gelification index	Volatile matter	Ash	Sulfur value	Total moisture	Calorific value	
				GI	V <sup>daf</sup> %	A <sup>d</sup> %	S <sub>t</sub> <sup>d</sup> %	W <sup>t</sup> %	Q <sup>ar</sup> kcal/kg	
Antracite	<i>Antracite</i>									
	Antracite	Khangii	Ikh gobi Energy	-	-	-	-	-	-	
Raw coal	<i>Coal</i>									
	Coking	Khangii	Erdenes tavan tolgoi	87.6	27.6	16.8	1.0	2.6	6815	
		Gahsuun sukhai	Erdenes tavan tolgoi	85.3	28.1	17.6	1.0	2.1	6519	
	Tavan tolgoi		-	-	-	-	-	-	-	
	Weak coking	Khangii	Dadiin khar tolgoi	-	-	-	-	-	-	
		Gahsuun sukhai	Tavan tolgoi	-	-	-	-	-	-	
		Zamiin uud	Mogoin gol	-	-	-	-	-	-	
		Shivee Khuren	Baruun Noyon	-	-	-	-	-	-	-
	Khuren shand		-	-	-	-	-	-	-	
	Non coking	Khangii	-	-	-	-	-	-	-	
		Gahsuun sukhai	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 sukhai	Ukhaa Khudag	-	-	-	-	-	-	
		Khangii	Ail bayan	-	-	-	-	-	-	
		Yarant	Tefis mining /Khuut/	-	-	-	-	-	-	-
	Mo En Co		-	-	-	-	-	-	-	
	Weak coking	Gashuun sukhai	Baruun naran	-	-	-	-	-	-	
Shivee Khuren		-	-	-	-	-	-	-		
Coke, semi-coke	Gahsuun sukhai	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

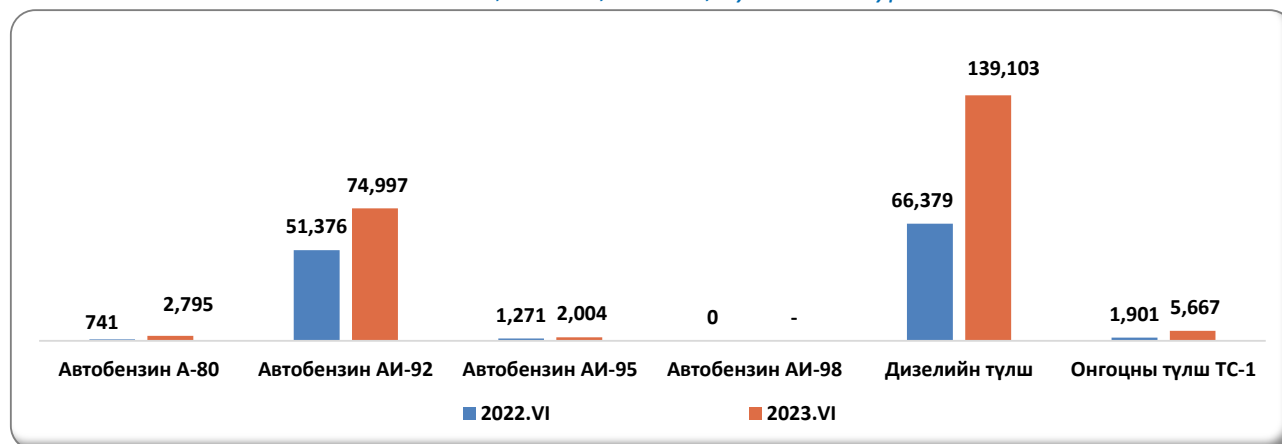
	Production		Export	
	Barrel	Share to total	Barrel	Share to total
<b>2022</b>	<b>2,566,089</b>	<b>100.0%</b>	<b>2,605,910</b>	<b>100.0%</b>
2022.I	17,544	0.68%	-	-
2022.II	9,921	0.39%	-	-
2022.III	9,257	0.36%	-	-
2022.IV	1,001	0.04%	-	-
2022.V	1,290	0.05%	-	-
2022.VI	38,184	1.49%	114,102	4.4%
2022.VII	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%
<b>2023</b>	<b>2,875,362</b>	<b>100.0%</b>	<b>2,787,913</b>	<b>294.1%</b>
2023.I	430,646	14.98%	393,310	14.1%
2023.II	372,459	12.95%	368,359	13.2%
2023.III	402,971	14.01%	418,535	15.0%
2023.IV	404,419	14.06%	394,184	14.1%
2023.V	427,321	14.86%	415,226	20.9%
2023.VI	415,058	14.43%	395,403	107.3%
2023.VII	422,488	14.69%	402,896	109.4%
2023.VIII	0	0.0%	0	0.0%
2023.IX	0	0.0%	0	0.0%
2023.X	0	0.0%	0	0.0%
2023.XI	0	0.0%	0	0.0%
2023.XII	0	0.0%	0	0.0%
<b>2023.VI</b> <b>2023.V</b>	<b>103.0%</b>	<b>103.0%</b>	<b>105.0%</b>	<b>19.4%</b>
<b>2023</b> <b>2022</b>	<b>112.1%</b>	<b>100.0%</b>	<b>107.0%</b>	<b>294.1%</b>

Source: Petroleum Exploitation Division, MRPAM

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
<b>2022</b>	<b>1,875,343</b>	<b>32,514</b>	<b>616,611</b>	<b>22,462</b>	<b>183</b>	<b>962,468</b>	<b>56,949</b>	<b>43,376</b>	<b>140,781</b>
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
<b>2023</b>	<b>1,409,145</b>	<b>14,538</b>	<b>403,014</b>	<b>10,941</b>	<b>0</b>	<b>785,516</b>	<b>53,122</b>	<b>26,948</b>	<b>115,066</b>
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	0	0	0	0	0	0	0	0	0
2023.IX	0	0	0	0	0	0	0	0	0
2023.X	0	0	0	0	0	0	0	0	0
2023.XI	0	0	0	0	0	0	0	0	0
2023.XII	0	0	0	0	0	0	0	0	0
<b>2023.VII</b> <b>2022.VII</b>	<b>192.4%</b>	<b>377.2%</b>	<b>146.0%</b>	<b>157.7%</b>	<b>0.0%</b>	<b>209.6%</b>	<b>298.1%</b>	<b>151.9%</b>	<b>281.9%</b>
<b>2023</b> <b>2022</b>	<b>75.1%</b>	<b>44.7%</b>	<b>65.4%</b>	<b>48.7%</b>	<b>0.0%</b>	<b>81.6%</b>	<b>93.3%</b>	<b>62.1%</b>	<b>81.7%</b>

4.4. RESIDUE OF PETROLEUM PRODUCTS, 2022.VI, 2023.VI, 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 2022.2023

	New York / WTI		London / BRENT	
	Price	Change (compared to previous 7 days)	Price	Change (compared to previous 7 days)
2022/08/02	94.28	↑ 24.33%	100.38	↑ 27.69%
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%	88.70	↑ 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%	80.10	↑ 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%

4.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2022.VI.30, 2023.VI.30 by MNT/litre, provinces,

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2022.VII.30	2023.VII.30	2023.VII.30 2022.VII.30	2022.VII.31	2023.VII.30	2023.VI.30 2022.VI.30	2022.VII.30	2023.VII.30	2023.VII.30 2022.VII.30	2022.VII.30	2023.VII.30	2023.VII.30 2022.VII.30
<b>NATIONAL AVERAGE PRICE</b>	<b>2,834</b>	<b>2,532</b>	<b>89.3%</b>	<b>2,559</b>	<b>2,552</b>	<b>99.7%</b>	<b>3,837</b>	<b>3,829</b>	<b>99.8%</b>	<b>3,669</b>	<b>3,603</b>	<b>98.2%</b>
<b>Ulaanbaatar</b>	2,350	2,370	<b>100.9%</b>	2,390	2,390	<b>100.0%</b>	3,260	3,710	<b>113.8%</b>	3,380	3,490	<b>103.3%</b>
<b>Western region</b>	<b>2,886</b>	<b>2,802</b>	<b>97.1%</b>	<b>2,852</b>	<b>2,818</b>	<b>98.8%</b>	-	<b>3,950</b>	-	<b>3,740</b>	<b>4,192</b>	<b>112.1%</b>
Bayan-Ulgii	2,680	2,680	100.0%	2,700	2,700	100.0%	-	3,800	-	3,700	3,590	97.0%
Govi-Altai	2,920	2,780	95.2%	2,970	2,800	94.3%	-	3,950	-	3,890	3,740	96.1%
Zavkhan	3,210	2,870	89.4%	2,890	2,890	100.0%	-	4,000	-	3,720	3,740	100.5%
Uvs	2,850	2,880	101.1%	2,900	2,900	100.0%	-	4,000	-	3,690	3,660	99.2%
Hovd	2,770	2,800	101.1%	2,800	2,800	100.0%	-	4,000	-	3,700	3,640	98.4%
<b>Hangai region</b>	<b>3,168</b>	<b>2,492</b>	<b>78.6%</b>	<b>2,517</b>	<b>2,517</b>	<b>100.0%</b>	<b>4,048</b>	<b>3,847</b>	<b>95.0%</b>	<b>3,738</b>	<b>3,620</b>	<b>96.8%</b>
Arkhangai	3,200	2,480	77.5%	2,500	2,500	100.0%	4,030	3,840	95.3%	3,740	3,610	<b>96.5%</b>
Bayankhongor	3,210	2,510	78.2%	2,530	2,530	100.0%	-	3,850	-	3,730	3,740	100.3%
Bulgan	3,150	2,470	78.4%	2,520	2,520	100.0%	4,080	3,840	94.1%	3,730	3,550	95.2%
Uvurkhangai	3,190	2,450	76.8%	2,470	2,470	100.0%	4,020	3,830	95.3%	3,730	3,660	98.1%
Orkhon	3,100	2,470	79.7%	2,490	2,490	100.0%	4,040	3,840	95.0%	3,730	3,550	95.2%
Khuvsgul	3,160	2,570	81.3%	2,590	2,590	100.0%	4,070	3,880	95.3%	3,770	3,610	95.8%
<b>Central region</b>	<b>3,034</b>	<b>2,479</b>	<b>81.7%</b>	<b>2,498</b>	<b>2,499</b>	<b>100.0%</b>	<b>4,001</b>	<b>3,810</b>	<b>95.2%</b>	<b>3,752</b>	<b>3,581</b>	<b>95.5%</b>
Tuv	3,140	2,420	77.1%	2,440	2,440	100.0%	3,960	3,780	95.5%	3,735	3,540	94.8%
Darkhan	2,650	2,450	92.5%	2,470	2,470	100.0%	4,020	3,820	95.0%	3,730	3,550	95.2%
Selenge	2,650	2,480	93.6%	2,500	2,500	100.0%	4,030	3,830	95.0%	3,730	3,550	95.2%
Govisumber	3,170	2,460	77.6%	2,480	2,480	100.0%	4,010	3,810	95.0%	3,760	3,580	95.2%
Dundgovi	3,180	2,510	78.9%	2,530	2,530	100.0%	4,010	3,810	95.0%	3,770	3,600	95.5%
Dornogovi	3,250	2,500	76.9%	2,520	2,520	100.0%	3,990	3,830	96.0%	3,800	3,620	95.3%
Umnugovi	3,200	2,530	79.1%	2,545	2,550	100.2%	3,990	3,790	95.0%	3,740	3,630	97.1%
<b>Eastern region</b>	<b>2,733</b>	<b>2,520</b>	<b>92.2%</b>	<b>2,540</b>	<b>2,540</b>	<b>100.0%</b>	<b>4,040</b>	<b>3,830</b>	<b>94.8%</b>	<b>3,733</b>	<b>3,650</b>	<b>97.8%</b>
Dornod	2,500	2,510	100.4%	2,530	2,530	100.0%	4,040	3,830	94.8%	3,640	3,650	100.3%
Sukhbaatar	2,520	2,550	101.2%	2,570	2,570	100.0%	4,080	3,870	94.9%	3,830	3,700	96.6%
Khentii	3,180	2,500	78.6%	2,520	2,520	100.0%	4,000	3,790	94.8%	3,730	3,600	96.5%

Source: Petroleum Products Division, MRPAM

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

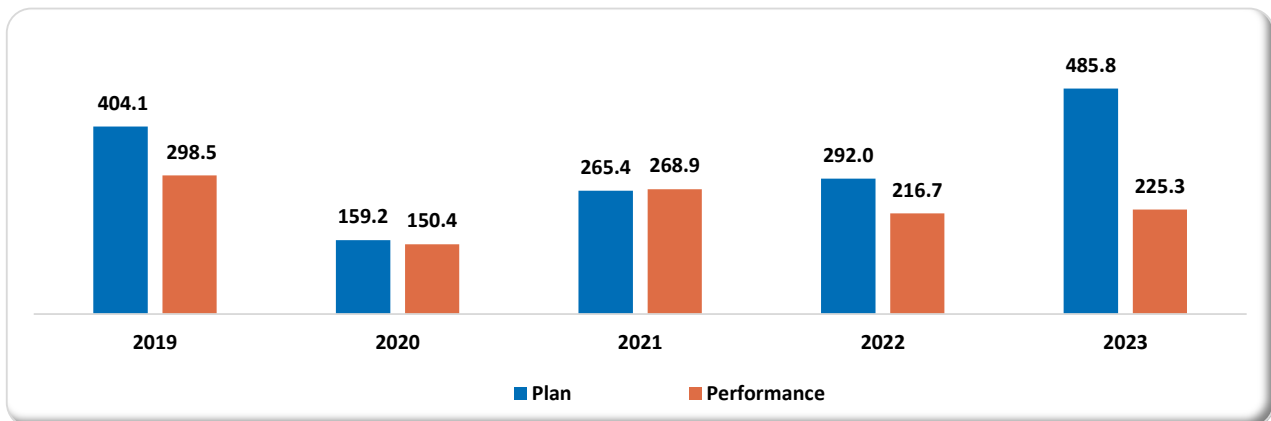
	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
2020.VII.28	1463	1506	2078	2137
2020.VIII.25	1507	1550	2078	2123
2020.IX.29	1467	1543	2079	1980
2020.X.27	1463	1545	2078	1985
2020.XI.24	1457	1536	2077	1983
2020.XII.28	1455	1534	2077	1976
2021.I.26	1483	1559	2083	2025
2021.II.23	1492	1560	2174	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.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.30	2532	2552	3829	3603
<b>2023.VI.30</b> <b>2023.VII.30</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>2023.VII.30</b> <b>2022.VII.30</b>	<b>84.5%</b>	<b>99.7%</b>	<b>88.2%</b>	<b>89.1%</b>
<b>2023.VII.30</b> <b>2021.VII.30</b>	<b>139.7%</b>	<b>138.2%</b>	<b>158.4%</b>	<b>153.2%</b>

# 5 | STATE BUDGET REVENUE

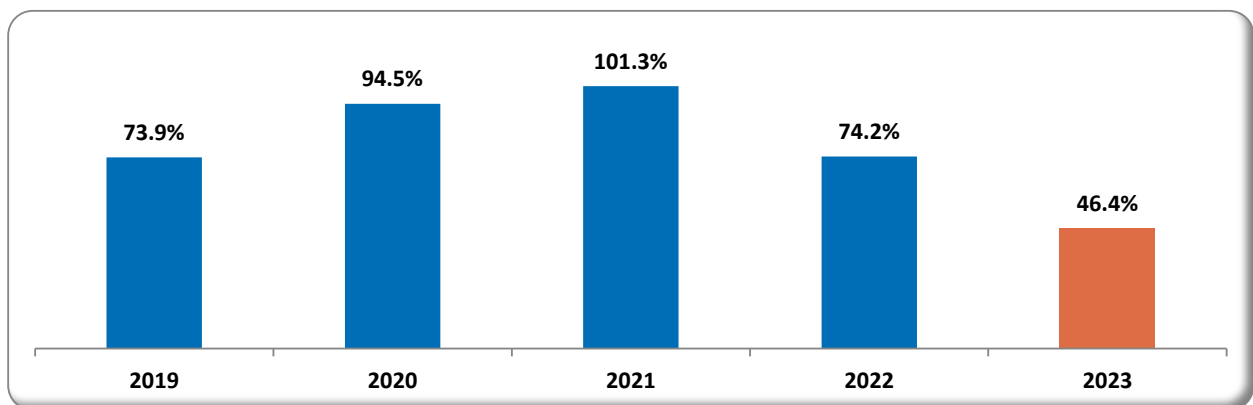
## 5.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, 2023-VII-30, by million.MNT and income type

	Plan (2023)	2023-VII	
		Performance	Performance rate
<b>TOTAL</b>	<b>485,780.9</b>	<b>225,331.4</b>	<b>46.4%</b>
License fee	29,720.9	19,396.5	65.3%
Reimbursement	2,962.6	872.5	29.5%
Petroleum export revenue	424,971.2	172,227.7	40.5%
Other revenue	3,126.2	3,691.8	118.1%
Tender revenue	25,000.0	29,142.9	116.6%

## 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



*This bulletin is updated monthly and published on the Mineral Resources and Petroleum Authority's website [www.mrpam.gov.mn](http://www.mrpam.gov.mn)*



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