

**IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT**  
**MINERAL RESOURCES AND PETROLEUM AUTHORITY**



# **MINERAL RESOURCES AND PETROLEUM STATISTICS**

**2021/02**



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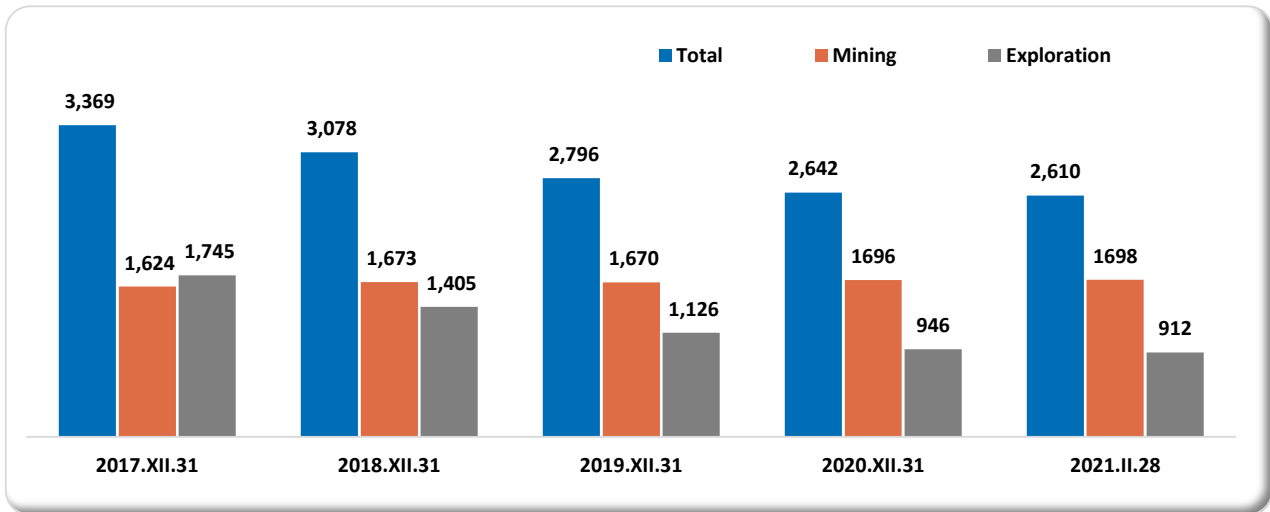
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## 1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces and 2021.II.28

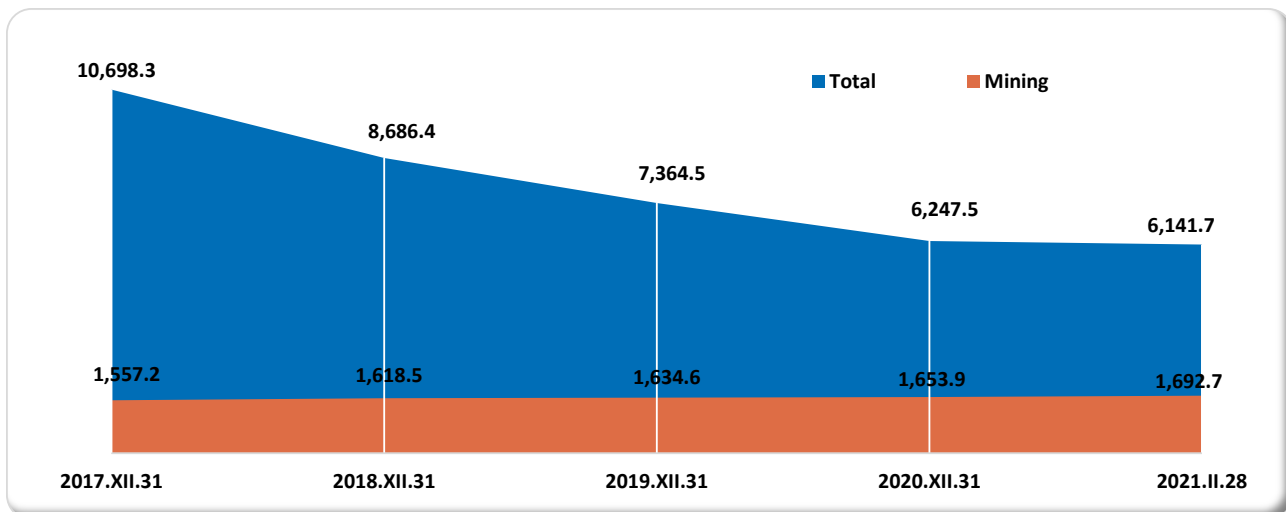
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
<b>TOTAL</b>	<b>2,610</b>	<b>6,141.7</b>	<b>3.9%</b>	<b>1,698</b>	<b>1,692.7</b>	<b>1.1%</b>	<b>912</b>	<b>4,449.0</b>	<b>2.8%</b>
Arkhangai	23	17.8	0.3%	18	9.3	0.2%	5	8.5	0.2%
Bayan-Ulgii	55	151.7	3.3%	28	15.2	0.3%	27	136.6	3.0%
Bayankhongor	126	305.3	2.6%	86	119.8	1.0%	40	185.5	1.6%
Bulgan	100	87.8	1.8%	77	38.9	0.8%	23	48.9	1.0%
Govi-Altai	132	582.2	4.1%	55	92.2	0.7%	77	489.9	3.5%
Govisumber	16	44.6	8.1%	13	38.9	7.0%	3	5.8	1.0%
Darkhan Uul	66	8.7	2.7%	61	7.6	2.3%	5	1.1	0.3%
Dornogovi	330	1,069.6	9.8%	195	250.1	2.3%	135	819.5	7.5%
Dornod	150	534.5	4.3%	73	63.7	0.5%	77	470.9	3.8%
Dundgovi	195	610.8	8.2%	110	174.8	2.3%	85	436.0	5.8%
Zavhan	48	222.8	2.7%	10	17.0	0.2%	38	205.8	2.5%
Orkhon	8	11.0	13.1%	8	11.0	13.1%	0	0.0	0.0%
Uvurkhangai	42	97.9	1.6%	28	16.1	0.3%	14	81.9	1.3%
Umnugovi	160	916.2	5.5%	101	454.7	2.8%	59	461.5	2.8%
Sukhbaatar	92	242.3	2.9%	72	68.2	0.8%	20	174.1	2.1%
Selenge	178	90.2	2.2%	144	45.1	1.1%	34	45.1	1.1%
Tuv	378	316.5	4.3%	305	155.7	2.1%	73	160.8	2.2%
Uvs	109	287.8	4.1%	42	19.9	0.3%	67	267.9	3.9%
Ulaanbaatar	157	14.0	3.0%	151	13.1	2.8%	6	0.9	0.2%
Khuvsgul	22	10.6	0.1%	21	10.3	0.1%	1	0.3	0.0%
Khovd	95	217.5	2.9%	37	17.2	0.2%	58	200.3	2.6%
Khentii	212	301.6	3.7%	122	53.9	0.7%	90	247.7	3.1%

Source: Geology and Mining Cadastre Division, MRPAM

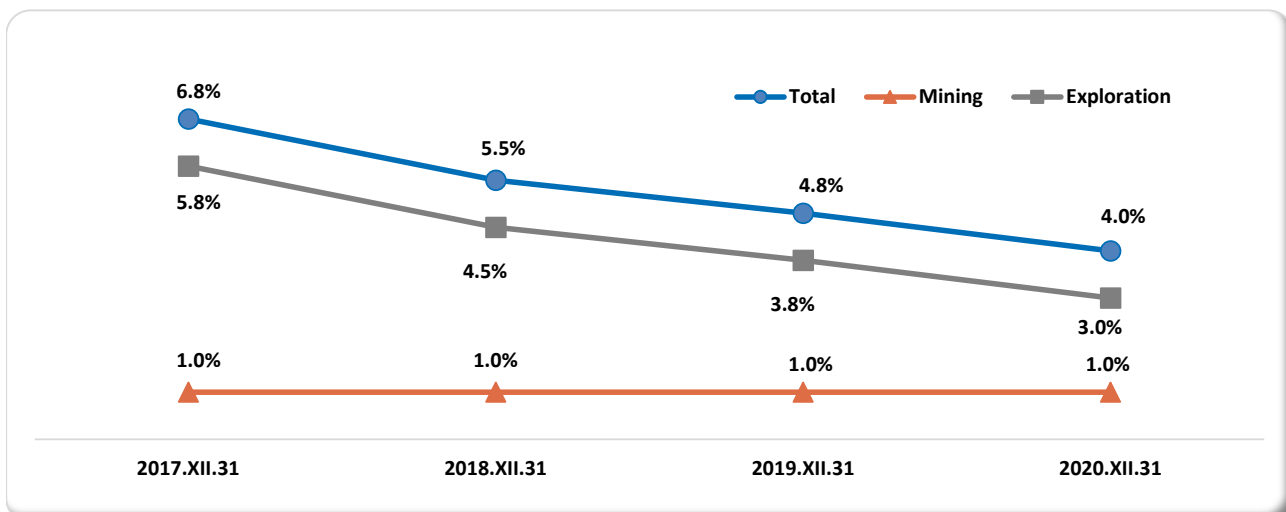
1.2. COUNT OF TOTAL VALID LICENSES, by 2017-2021



1.3. LICENSED AREA, by thousands.ha and 2017-2021



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, by 2017-2021



Source: Geology and Mining Cadastre Division, MRPAM

## 1.5.COUNT OF MINING LICENSE, by type of minerals and 2021.II.28

	Mining license		Area size	
	Count	Percent	Hectare	Percent
<b>TOTAL</b>	<b>1698</b>	<b>100%</b>	<b>1,692,686.6</b>	<b>100%</b>
Gold (placer)	439	25.9%	156,432.9	9.2%
Coal	303	17.8%	787,479.8	46.5%
Fluorite	198	11.7%	35,350.3	2.1%
Gold (placer)	91	5.4%	77,192.5	4.6%
Iron	77	4.5%	48,541.5	2.9%
limestone	73	4.3%	41,066.3	2.4%
Common mineral, gravel, sand	70	4.1%	3,684.6	0.2%
Common mineral, mud	45	2.7%	2,610.9	0.2%
Common mineral, aggregate stone	34	2.0%	9,240.3	0.5%
Tungsten	29	1.7%	9,062.1	0.5%
Common mineral, sand	24	1.4%	1,333.4	0.1%
Concentrated metal	23	1.4%	26,976.6	1.6%
Gypsum	23	1.4%	7,975.6	0.5%
Copper	18	1.1%	84,900.5	5.0%
Gold (placer), copper	14	0.8%	86,764.3	5.1%
Tin	12	0.7%	5,386.5	0.3%
Earth rare metal	9	0.5%	7,435.4	0.4%
Graphite	8	0.5%	18,106.4	1.1%
Copper, molybdenum	8	0.5%	14,328.3	0.8%
Common mineral, sand stone	8	0.5%	1,553.5	0.1%
Uranium	7	0.4%	76,866.1	4.5%
Marble	7	0.4%	8,922.5	0.5%
Molybdenum	7	0.4%	2,020.0	0.1%
Copper, gold	5	0.3%	8,807.4	0.5%
Copprer, gold	5	0.3%	5,047.1	0.3%
Aggregate stone	5	0.3%	1,698.9	0.1%
Iron, zinc	5	0.3%	1,126.4	0.1%
Manganese	4	0.2%	7,507.0	0.4%
Tungsten, Tin	4	0.2%	2,833.9	0.2%
Мөсөн шүү	4	0.2%	1,449.0	0.1%
Silver	4	0.2%	1,050.4	0.1%
Gold (placer), silver	3	0.2%	9,587.7	0.6%
Aluminium	3	0.2%	1,370.9	0.1%
Other	129	7.6%	138,978.0	8.2%

Source: Geology and Mining Cadastre Division, MRPAM

## 1.6. REGISTERED AREA, by mln.ha, overlap and 2021.II.28

	Hectare	Percent of total territory
Valid mining licensed area	1.7	1.1%
Valid exploration licensed area	4.4	2.8%
State protected area	33.7	21.5%
Special purpose area	33.6	21.5%
Strategic deposit, government reserved area	7.2	4.6%
Settled area, border and railway strip area	1.1	0.7%
Other prohibited area	49.1	31.4%

## 1.7. SMALL-SCALE MINING AREA, by provinces and 2021.II.28

	Count of area		Area size	
	Count	Percent	Hectare	Percent
<b>TOTAL</b>	<b>262</b>	<b>100%</b>	<b>1,063.7</b>	<b>100%</b>
Arkhangai	1	0.4%	4.8	0.4%
Bayan-Ulgii	2	0.8%	53.7	5.1%
Bayankhongor	57	21.8%	152.3	14.3%
Bulgan	29	11.1%	126.4	11.9%
Govi-Altai	1	0.4%	5.7	0.5%
Darkhan Uul	6	2.3%	16.6	1.6%
Dornogovi	2	0.8%	9.6	0.9%
Dornod	2	0.8%	26.3	2.5%
Dundgovi	13	5.0%	104.5	9.8%
Uvurkhangai	20	7.6%	39.7	3.7%
Umnugovi	20	7.6%	86.3	8.1%
Selenge	52	19.8%	220.1	20.7%
Tuv	12	4.6%	78.3	7.4%
Ulaanbaatar	5	1.9%	19.0	1.8%
Khovd	4	1.5%	11.3	1.1%
Khentii	36	13.7%	109.4	10.3%

Source: Geology and Mining Cadastre Division, MRPAM

## 1.8. ORIGIN OF LICENSE HOLDERS, by 2021.II.28

	Holder	License	Area size	
	Count	Count	Hectare	Percent
<b>TOTAL</b>	<b>1692</b>	<b>2610</b>	<b>6,141,665.7</b>	<b>100.0%</b>
Mongolian entities	1356	2075	4,619,675.0	75.2%
100% foreign entities	241	394	1,214,719.9	19.8%
Joint foreign entities	95	141	307,270.8	5.0%

## 1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, by countries and 2021.II.28

	Holder	License	Area size	
	Count	Count	Hectare	Percent
<b>TOTAL</b>	<b>241</b>	<b>394</b>	<b>1,214,719.9</b>	<b>100%</b>
China	128	160	292,645.4	24.09%
Virgin Islands	30	56	107,954.8	8.89%
Hong Kong	14	28	73,213.7	6.03%
Singapore	14	57	327,548.9	26.96%
Canada	12	23	220,308.9	18.14%
South Korea	10	12	10,489.2	0.86%
Russia	4	5	2,490.4	0.21%
Australia	4	4	22,097.0	1.82%
Great Britain	3	4	6,038.7	0.50%
Holland	3	15	106,872.3	8.80%
Germany	2	2	603.9	0.05%
Japan	2	3	3,015.1	0.25%
Bermud	2	3	7,314.3	0.60%
Luxemburg	2	6	13,528.2	1.11%
United States of America	2	4	2,442.3	0.20%
Seychelles	1	1	375.2	0.03%
Russia, South Korea	1	1	118.2	0.01%
Russia, China	1	1	47.5	0.00%
Ukraine	1	1	245.0	0.02%
Bulgaria	1	1	3,700.9	0.30%
Barbados	1	3	9,183.0	0.76%
Malaysia	1	2	2,416.5	0.20%
Kazakhstan	1	1	136.5	0.01%
Virgin Islands, Singapore	1	1	1,934.0	0.16%

Source: Geology and Mining Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, *by countries and 2021.II.28*

	Holder	License	Area size	
	Count	Count	Hectare	Percent
<b>TOTAL</b>	<b>95</b>	<b>141</b>	<b>307,270.8</b>	<b>100%</b>
Mongolia, China	45	63	89,272.3	29.1%
Mongolia, South Korea	9	14	24,162.5	7.9%
Mongolia, Russia	8	11	1,590.5	0.5%
Mongolia, Virgin Islands	6	10	35,233.8	11.5%
Mongolia, Singapore	4	6	28,137.9	9.2%
Mongolia, Japan	4	7	13,386.0	4.4%
Mongolia, Germany	3	4	5,911.9	1.9%
Mongolia, Great Britain	2	2	5,135.2	1.7%
Mongolia, Czech Republic	2	5	28,576.6	9.3%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.5%
Mongolia, Kazakhstan	1	1	1,789.4	0.6%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	1.2%
Mongolia, Bulgaria	1	3	1,083.7	0.4%
Mongolia, Canada	1	1	3,957.7	1.3%
Mongolia, Canada, China	1	1	6,352.8	2.1%
Mongolia, Luxemburg	1	1	3,273.9	1.1%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Hong Kong, Japan	1	3	43,809.3	14.3%
Mongolia, Poland	1	1	1,561.3	0.5%
Mongolia, Hungary	1	1	87.4	0.0%
Mongolia, Hong Kong	1	4	8,665.5	2.8%

Source: Geology and Mining Cadastre Division, MRPAM



## 1.11. PLEDGING LICENSES, by bank and non-bank financial institute and 2021.II.28

	License		Area	
	Count	Percent	Hectare	Percent
<b>TOTAL</b>	<b>221</b>	<b>100%</b>	<b>164,558.9</b>	<b>100%</b>
Trade and Development Bank	46	20.8%	25,242.0	15.3%
Golomt Bank	32	14.5%	26,829.9	16.3%
Development Bank of Mongolia	26	11.8%	19,706.5	12.0%
HAAN Bank	15	6.8%	3,203.8	1.9%
Capital Bank	8	3.6%	1,068.8	0.6%
XAC Bank	8	3.6%	2,438.4	1.5%
Chinggis Khan Bank	8	3.6%	3,441.6	2.1%
Anod Bank	7	3.2%	5,677.8	3.5%
European Bank for Reconstruction and Development	7	3.2%	2,658.5	1.6%
Golomt, Saving, Zoos, Anod Banks	6	2.7%	3,277.7	2.0%
Capitron bank	5	2.3%	6,710.5	4.1%
State Bank	4	1.8%	570.6	0.3%
Export-Import Bank of China	3	1.4%	1,092.0	0.7%
Bogd bank	3	1.4%	154.0	0.1%
Triple flag mining finance Bermuda Ltd	3	1.4%	13,017.0	7.9%
Credit bank	3	1.4%	95.6	0.1%
GSB capital NBFi	3	1.4%	9,484.0	5.8%
Bank of China	3	1.4%	871.6	0.5%
Khutult nomgon	2	0.9%	253.4	0.2%
First lithium Corporation	2	0.9%	17,131.1	10.4%
National Investment Bank	2	0.9%	805.0	0.5%
Erel bank	2	0.9%	150.3	0.1%
Transport Development bank	2	0.9%	328.1	0.2%
Other	21	9.5%	20,350.5	12.4%

Source: Geology and Mining Cadastre Division, MRPAM

## 1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, by 2021.II.28

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Mongolroscvetmet	27	15,145.4	mongolian legal entity	Mongolia
2	Mongolyn alt Mak	23	62,251.0	mongolian legal entity	Mongolia
3	Gatsuurt	16	8,933.2	mongolian legal entity	Mongolia
4	Tsaina investment mongolia	15	207,645.0	Entity with 100% foreign investment	Singapore
5	Burdel mining	13	2,344.4	mongolian legal entity	Mongolia
6	Gobi Coal and Energy	12	7,139.8	mongolian legal entity	Mongolia
7	Khunnu gobi altai	12	2,206.7	mongolian legal entity	Mongolia
8	MAK cement	11	4,119.1	mongolian legal entity	Mongolia
9	Platinum land	11	3,621.3	mongolian legal entity	Mongolia
10	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore

## 1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, by 2021.II.28

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Tsaina investment mongolia	15	207,645.0	100% foreign invested entity	Singapore
2	Monlaa	3	104,550.9	mongolian legal entity	Mongolia

Source: Geology and Mining Cadastre Division, MRPAM

## 1.14. RECEIVED APPLICATION, by application type and 2017-2021

	2017	2018	2019	2020	2021.I-II
<b>TOTAL</b>	<b>813</b>	<b>1187</b>	<b>698</b>	<b>502</b>	<b>74</b>
<b>New license</b>	<b>288</b>	<b>226</b>	<b>218</b>	<b>253</b>	<b>43</b>
Mining	65	78	73	87	9
Exploration	0	0	0	0	0
Tender	223	148	145	166	34
<b>Extension of exploration license</b>	<b>231</b>	<b>657</b>	<b>273</b>	<b>75</b>	<b>17</b>
<b>Transfer</b>	<b>153</b>	<b>157</b>	<b>72</b>	<b>80</b>	<b>11</b>
Mining	78	25	24	32	1
Exploration	75	132	48	48	10
<b>Pledge</b>	<b>37</b>	<b>61</b>	<b>25</b>	<b>28</b>	<b>2</b>
Mining	32	58	24	28	2
Exploration	5	3	1	0	0
<b>Surrender</b>	<b>104</b>	<b>86</b>	<b>110</b>	<b>66</b>	<b>1</b>
Mining	14	12	12	16	0
Exploration	90	74	98	50	1

## 1.15. CHANGES IN LICENSE REGISTRATION, by license type and 2017-2021

	2017	2018	2019	2020	2021.I-II
<b>New license</b>	<b>151</b>	<b>85</b>	<b>130</b>	<b>90</b>	<b>19</b>
Mining	77	61	59	55	5
Exploration	41	5	0	8	0
Tender	33	19	71	27	14
<b>Surrendered</b>	<b>97</b>	<b>91</b>	<b>93</b>	<b>71</b>	<b>2</b>
Mining	13	11	11	16	0
Exploration	84	80	82	55	2
<b>Canceled</b>	<b>237</b>	<b>181</b>	<b>189</b>	<b>140</b>	<b>25</b>
Mining	35	33	70	52	7
Exploration	202	148	119	88	18
<b>Expired</b>	<b>176</b>	<b>209</b>	<b>199</b>	<b>133</b>	<b>22</b>
<b>Transferred</b>	<b>136</b>	<b>172</b>	<b>71</b>	<b>83</b>	<b>9</b>
Mining	62	38	24	35	0
Exploration	74	134	47	48	9
<b>Extended</b>	<b>162</b>	<b>566</b>	<b>300</b>	<b>68</b>	<b>8</b>
<b>Pledged</b>	<b>39</b>	<b>56</b>	<b>23</b>	<b>27</b>	<b>3</b>
Mining	34	53	23	27	3
Exploration	5	3	0	0	0
<b>Terminated pledges</b>	<b>39</b>	<b>27</b>	<b>31</b>	<b>28</b>	<b>2</b>
Mining	38	26	30	28	2
Exploration	1	1	1	0	0
<b>Re-issue of license documents</b>	<b>26</b>	<b>40</b>	<b>27</b>	<b>17</b>	<b>0</b>
Mining	19	13	14	11	0
Exploration	7	27	13	6	0

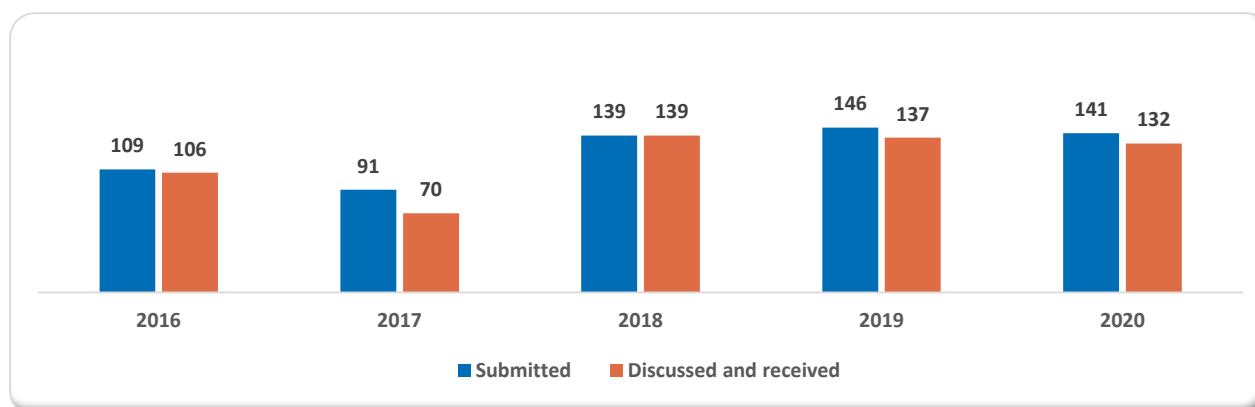
Source: Geology and Mining Cadastre Division, MRPAM

2.1. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, *by million MNT, type work and 2018-2019 (2021.II.28)*

	2018		2019	
	Mln.MNT	Percent	Mln.MNT	Percent
<b>TOTAL</b>	<b>153,292.9</b>	<b>100%</b>	<b>141,542.1</b>	<b>100%</b>
Preparation	3,447.8	2.2%	3,837.7	2.7%
Mapping	3,444.1	2.2%	2,119.2	1.5%
Geological survey	2,746.3	1.8%	2,498.3	1.8%
Sampling	1,674.9	1.1%	1,296.4	0.9%
Geophysical work	10,461.7	6.8%	10,252.5	7.2%
Mining	15,257.0	10.0%	7,600.0	5.4%
Drilling	75,064.2	49.0%	84,114.5	59.4%
Indoor, laboratory investigation	11,786.9	7.7%	4,887.6	3.5%
Laboratory	12,601.0	8.2%	13,472.0	9.5%
Transport	3,761.3	2.5%	7.0	0.0%
Topogeodetic work	1,621.3	1.1%	4,297.9	3.0%
Hydrogeological work	1,442.8	0.9%	1,329.7	0.9%
Geocological survey	823.2	0.5%	3,150.3	2.2%
Archeology	6,638.4	4.3%	522.0	0.4%
Environment reclamation	378.4	0.2%	459.5	0.3%
Field sampling	1,118.2	0.7%	494.8	0.3%
Assume expenses	173.2	0.1%	782.6	0.6%
Other	852.3	0.6%	420.1	0.3%

Source: Geology and Exploration Division, MRPAM

2.2. RECEIVED EXPLORATION REPORT, by 2016-2020



2.3. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, 2020

	Deposit	Resource		
		Unit	Ore	Metal
Gold (rock)		ths.t/kg	96,104.4	80,870.2
Silver		t		284.0
Blue lead	11	ths.t		40.7
Zinc		ths.t		65.9
Copper		ths.t		30.6
Gold (placer)	24	kg	3,252.7	2,920.4
Copper	2	ths.tn	145,205.9	377,904.8
Gold		kg		11,483.8
Iron	3	ths.t	20,925.6	
Iron		ths.t		10,053.0
Tungsten	1	t	129,649.0	2,199.0
Fluorspar	22	ths.t	5,581.3	2,357.1
Zinc				
Zinc		ths.t		49.7
Blue lead	1	ths.t		22.7
Silver		kg		61.2
Cadmium		ths.t		228.7
Uranium	1	ths.t	398,941.5	93.3
Coal	10	mln.t	572.0	
Limestone	2	ths.t	51,399.7	
Aggregate stone	16	ths.t	314,779.0	
Polishing stone	3	ths.m3		5,953.5
Graphite	2	ths.t	124,080.3	6,234.4
Gypsum	2	ths.t	2,719.5	
Mud	4	ths.m3	3,449.3	
Sand gravel	7	ths.m3	4,943.3	
Sand	7	ths.m3	5,088.3	
Zeolite	1	ths.t		5,884.1

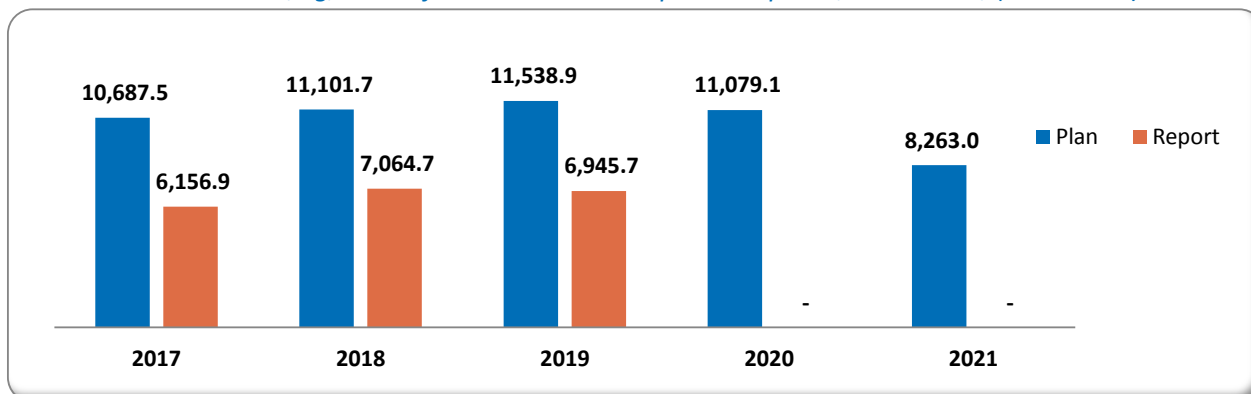
Source: Geology and Exploration Division, MRPAM

# 3 | MINING

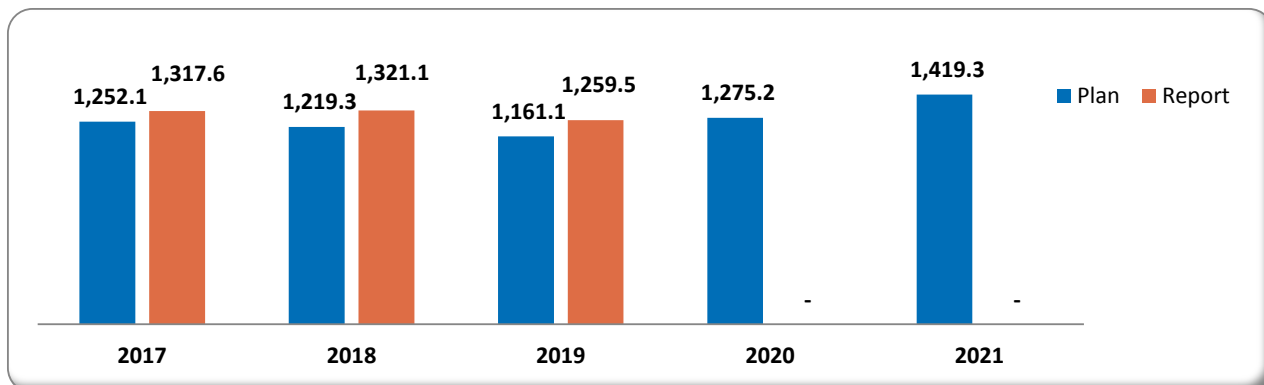
## 3.1. MINERAL MINING ACTIVITY PLAN AND REPORT OFFICIAL STATUS, 2017-2021, (2021.III.16)

	Plan			Report		
	Submitted	Formal	Formal %	Submitted	Formal	Formal %
2017	411	353	85.9%	203	178	87.7%
2018	401	311	77.6%	214	197	92.1%
2019	426	340	79.8%	227	196	86.3%
2020	402	287	71.4%	192	1	0.5%
2021	350	150	42.9%	-	-	-

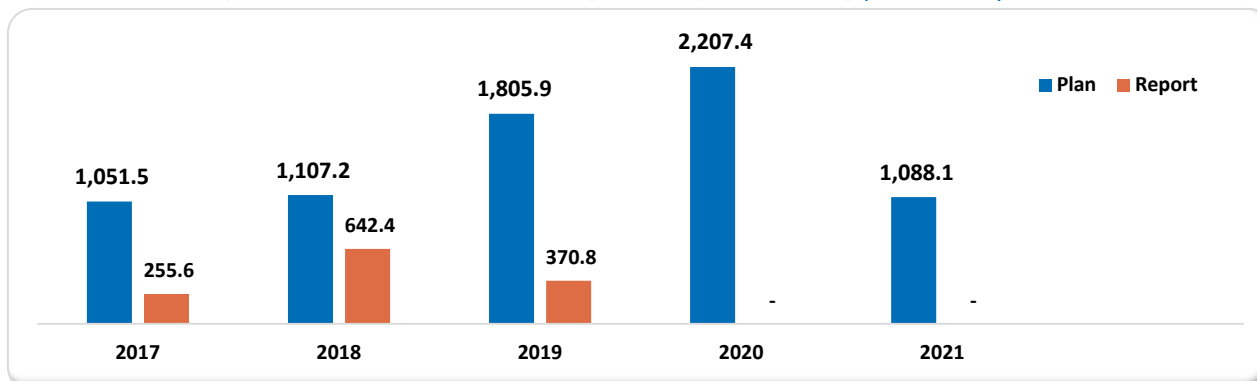
## 3.2. GOLD PRODUCTION, kg, mined from hard rock and placer deposits, 2017-2021, (2021.III.16)



## 3.3. COPPER CONCENTRATE PRODUCTION, ths.tons, 2017-2021, (2021.III.16)



## 3.4. FLOURITE ORE, CONCENTRATE PRODUCTION, ths tons, 2017-2021, (2021.III.16)



Source: Mining Research Division, MRPAM

## 3.5. MINERAL PRODUCTION, by mineral type, 2019-2021 (2021.III.16)

	Unit of measurement	2019		2020		2021	
		Plan	Report	Plan	Report	Plan	Report
Gold (Total)	kg	18,013.2	14,561.2	15,888.9	3.4	43,201.5	-
Gold (Amount of gold that accompanies the concentrate)	kg	6,474.3	7,615.5	4,809.8	0.0	34,938.5	-
Gold (Total amount of gold to be mined from hard rock and placer deposits)	kg	11,538.9	6,945.7	11,079.1	3.4	8,263.0	-
Gold (Amount of gold to be extracted from the hard rock)	kg	3,863.8	2,045.0	4,698.1	0.0	4,556.4	-
Gold (Amount of gold to be mined from placer deposits)	kg	7,675.1	4,900.7	6,381.0	3.4	3,706.6	-
Building materials							
Lime	ths.tons	114.7	55.6	245.6	0.0	95.4	-
Limestone	ths.tons	1,761.8	412.4	1,187.7	0.0	1,012.4	-
Clinker	ths.tons	14.0	0.0	814.0	0.0	0.0	-
Cement	ths.tons	1,706.7	1,706.7	869.2	0.0	1,950.0	-
Mineral powder	ths.tons	31.0	0.0	0.0	0.0	0.0	-
Crystal	ths.tons	61.8	-	61.8	0.0	6.1	-
Marble	ths.tons	231.6	3,080.4	252.9	0.0	256.8	-
Gypsum	ths.tons	243.2	107.1	166.6	0.0	102.1	-
Tungsten	tons	1,544.7	165.5	621.7	0.0	1,232.8	-
Copper	ths.tons	1,161.1	1,259.5	1,275.2	0.0	1,419.3	-
Copper (Cathode)	tons	10.0	9.7	10.0	0.0	7.8	-
Manganese	ths.tons	230.6	0.0	129.1	0.0	79.6	-
Molybdenum	ths.tons	4.8	5.3	4.7	0.0	5.0	-
Silver	kg	4,229.3	2,972.6	12,761.9	0.0	3,251.3	-
Silver concentrate	ths.tons	0.0	0.0	194.6	0.0	7.7	-
Silver (Amount of silver accompanying concentrate)	kg	68,472.5	76,891.6	65,000.1	0.0	79,644.6	-
Iron	ths.tons	14,193.0	9,623.7	15,220.5	0.0	11,458.9	-
Whole iron concentrate	ths.tons	5,176.6	1,372.8	5,087.5	0.0	3,498.0	-
Iron powder concentrate	ths.tons	7,201.8	2,549.7	6,769.2	0.0	6,142.0	-
Iron ore	ths.tons	1,814.6	2,226.9	3,260.9	0.0	124.9	-
Powdered iron ore	ths.tons	0.0	3,474.3	103.0	0.0	1,694.0	-
Uranium	tons	16.5	0.0	22.3	0.0	0.0	-
Fluorite	ths.tons	1,805.9	370.8	2,207.4	0.0	1,088.1	-
Fluorite concentrate AG-97	ths.tons	219.9	58.3	129.0	0.0	102.3	-
Fluorite concentrate AG-95	ths.tons	90.2	41.0	120.9	0.0	27.3	-
Gravitational fluorite МГФ 55-85	ths.tons	6.3		0.0	0.0	0.0	-
Whole fluorite MG-92	ths.tons	28.0	2.8	28.2	0.0	38.2	-
Whole fluorite MG-85	ths.tons	65.0	3.5	30.0	0.0	41.5	-
Whole fluorite MG-80	ths.tons	16.3	1.1	12.7	0.0	2.7	-
Whole fluorite MG-75	ths.tons	171.6	32.9	199.9	0.0	140.9	-
Whole fluorite MG-65	ths.tons	1.6	15.1	6.2	0.0	0.0	-
Fluorite ore ФР	ths.tons	1,207.0	216.2	1,680.4	0.0	735.1	-
Blue lead	ths.tons	19.5	29.6	16.4	0.0	17.1	-
Polishing stone	ths.tons	26.3	369.9	0.0	0.0	2.1	-
Tin	tons	71.7	26.4	0.0	0.0	0.0	-
Zinc	ths.tons	136.3	123.7	129.6	0.0	112.5	-
Zeolite	ths.tons	39.7	0.0	105.2	0.0	0.0	-

Source: Mining Research Division, MRPAM

## 3.6. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2016-2019 (2021.II.28)

	Unit	2016	2017	2018	2019*
Area covered by mining	ha	7,230.3	10,531.7	7,837.9	7,078.9
Area covered by technical rehabilitation	ha	894.2	861.7	1,767.3	1,927.6
Of which: External stockpile	ha	295.8	232.1	1,018.4	1,198.2
Internal stockpile	ha	598.2	629.6	748.9	729.8
Area covered by biological rehabilitation	ha	936.7	997.6	790.5	704.8
Area of abusive protection rehabilitation	ha	6,358.3	12,898.1	17,459.3	19,144.3
Area of remodeling the mine and rehabilitation of the village	ha	42.6	55.6	62.3	57.1
Expenses for rehabilitation	bln.MNT	11.1	9.9	22.2	28.7
Environmental expenses	bln.MNT	5.6	8.7	10.8	15.8

## 3.7. AREA COVERED BY MINING AND REHABILITATION AREA IN 2019\*, by provinces (2021.II.28)

	Count of entities	Area covered by mining		Area covered by technical rehabilitation		Area covered by biological rehabilitation	
		Ha	Percent	Ha	Percent	Ha	Percent
		<b>TOTAL</b>	<b>261</b>	<b>7,078.9</b>	<b>100%</b>	<b>1,927.6</b>	<b>100%</b>
Arkhangai	2	2.0	0.0%	64.2	3.3%	19.8	2.8%
Bayankhongor	20	81.7	1.2%	45.2	2.3%	13.4	1.9%
Bulgan	8	62.7	0.9%	70.9	3.7%	43.1	6.1%
Bulgan, Selenge	1	4.7	0.1%	10.5	0.5%	6.9	1.0%
Bulgan, Tuv	5	95.4	1.3%	145.7	7.6%	102.5	14.5%
Govi-Altai	4	10.9	0.2%	2.9	0.1%	3.6	0.5%
Govisumber	3	2.0	0.0%	5.0	0.3%	5.0	0.7%
Darkhan Uul	10	24.2	0.3%	27.6	1.4%	13.5	1.9%
Dornogovi	28	749.4	10.6%	46.7	2.4%	12.0	1.7%
Dornod	11	195.0	2.8%	19.2	1.0%	16.7	2.4%
Dundgovi	21	86.3	1.2%	4.9	0.3%	3.7	0.5%
Zavkhan	2	3.7	0.1%	8.7	0.4%	16.5	2.3%
Orkhon	2	52.4	0.7%	2.0	0.1%	4.0	0.6%
Uvurkhangai	5	79.9	1.1%	71.6	3.7%	13.1	1.9%
Umnugovi	23	3,010.3	42.5%	993.9	51.6%	61.0	8.7%
Sukhbaatar	12	69.5	1.0%	10.1	0.5%	6.8	1.0%
Selenge	19	260.3	3.7%	85.0	4.4%	55.0	7.8%
Tuv	49	1,956.0	27.6%	284.5	14.8%	253.7	36.0%
Uvs	7	37.1	0.5%	0.3	0.0%	0.1	0.0%
Khovd	9	253.7	3.6%	0.0	0.0%	41.0	5.8%
Khentii	20	41.7	0.6%	28.7	1.5%	13.3	1.9%

\*Based on data from the 2019 Mining Report for Minerals Other than Common Minerals.

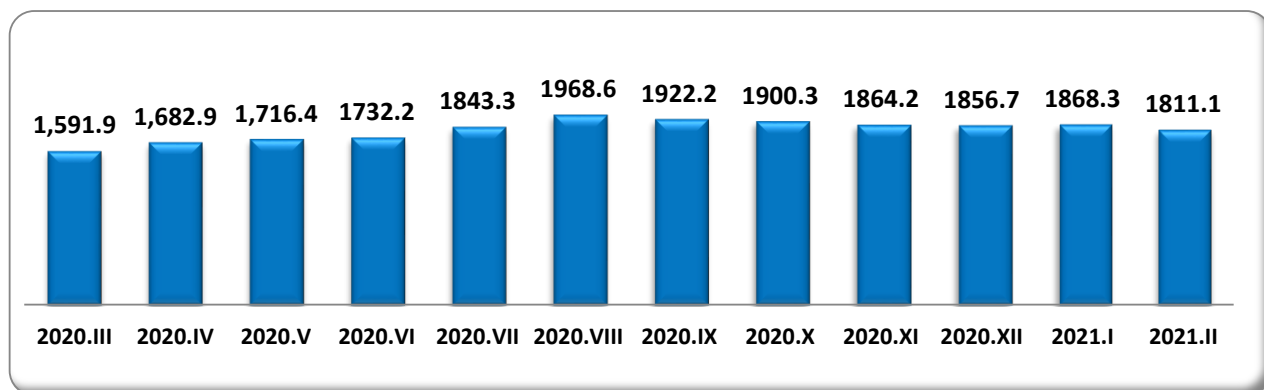
Source: Mining Production and Technology Division, MRPAM



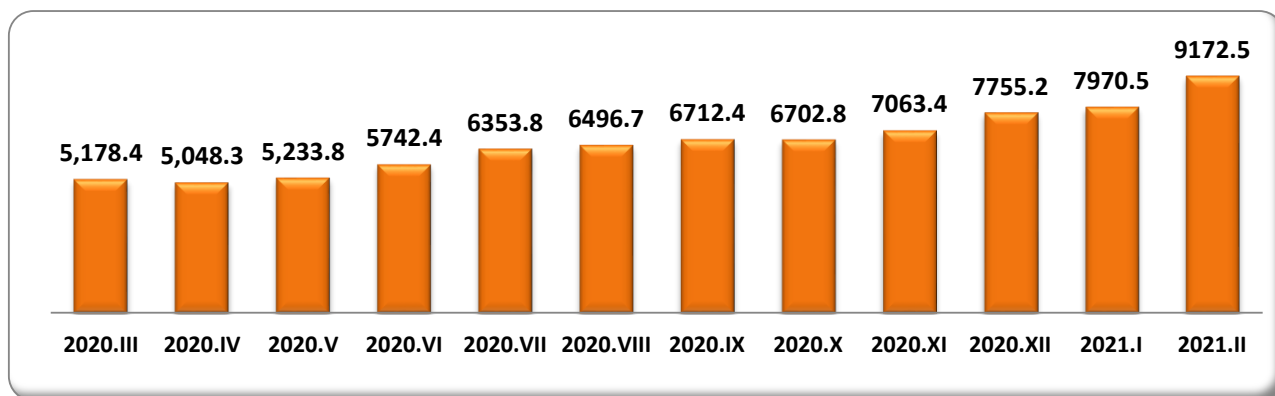
3.8. AVERAGE OF MINERAL PRICES ON THE WORLD MARKET, by 2020-2021

	Unit of measurement	2020	2020.II	2021.I	2021.II	<u>2021.II</u> <u>2020.II</u>	<u>2021.II</u> <u>2021.I</u>
Gold	\$/ounce	1,751.6	1,597.1	1,868.3	1,811.1	113.4%	96.9%
Silver	\$/ounce	19.7	17.9	25.9	27.4	152.6%	105.6%
Copper	\$/tons	5,920.3	5,685.9	7,970.5	9,172.5	161.3%	115.1%
Zinc	\$/tons	2,172.1	2,119.9	2,707.7	2,788.5	131.5%	103.0%
Blue lead	\$/tons	1,798.2	1,871.8	2,014.9	2,075.0	110.9%	103.0%
Tin	\$/tons	16,730.3	16,447.3	21,955.5	24,505.0	149.0%	111.6%
Molybdenum	\$/tons	18,925.5	22,542.2	22,421.0	26,257.0	116.5%	117.1%
Manganese 36%	\$/tons	202.7	187.9	195.9	195.1	103.8%	99.6%
Tungsten, 99%	\$/tons	31,217.0	33,140.0	34,727.0	33,000.0	99.6%	95.0%
Tungsten, 65%	\$/tons	11,972.7	12,753.9	13,663.0	14,165.5	111.1%	103.7%
Iron ore 56%	\$/tons	79.4	66.1	138.9	131.6	199.1%	94.7%
Iron ore 60% concentrate	\$/tons	91.7	77.0	158.7	155.5	202.0%	98.0%
Fluorite concentrate AG-97	\$/tons	375.0	385.0	355.0	355.0	92.2%	100.0%
Fluorite ore MG-85	\$/tons	300.0	300.0	300.0	300.0	100.0%	100.0%
Uranium	\$/kg	66.1	54.7	65.3	61.7	112.8%	94.4%
Coking coal	\$/tons	119.1	131.0	141.6	148.6	113.4%	104.9%
Thermal coal	\$/tons	40.3	38.9	40.9	46.5	119.5%	113.7%

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

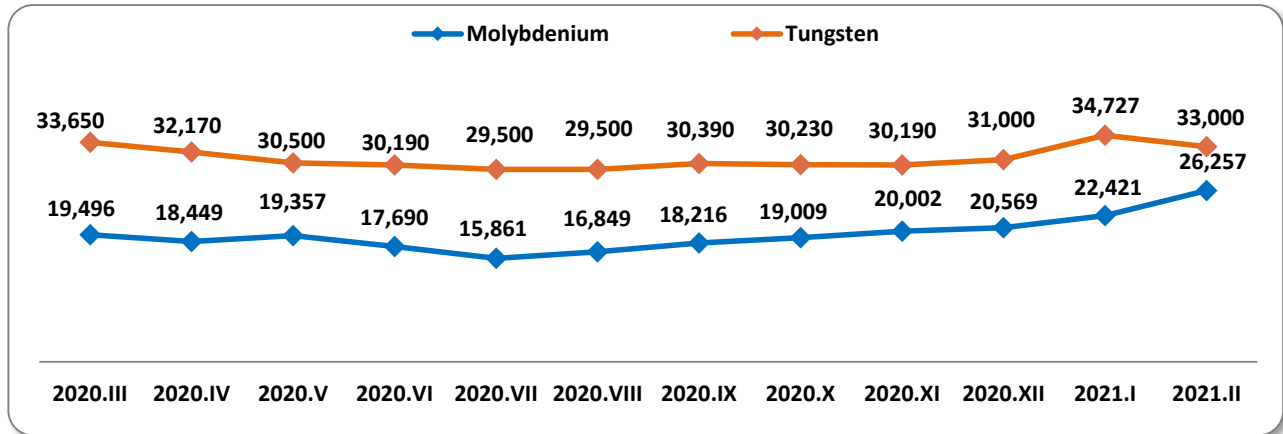


3.10. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

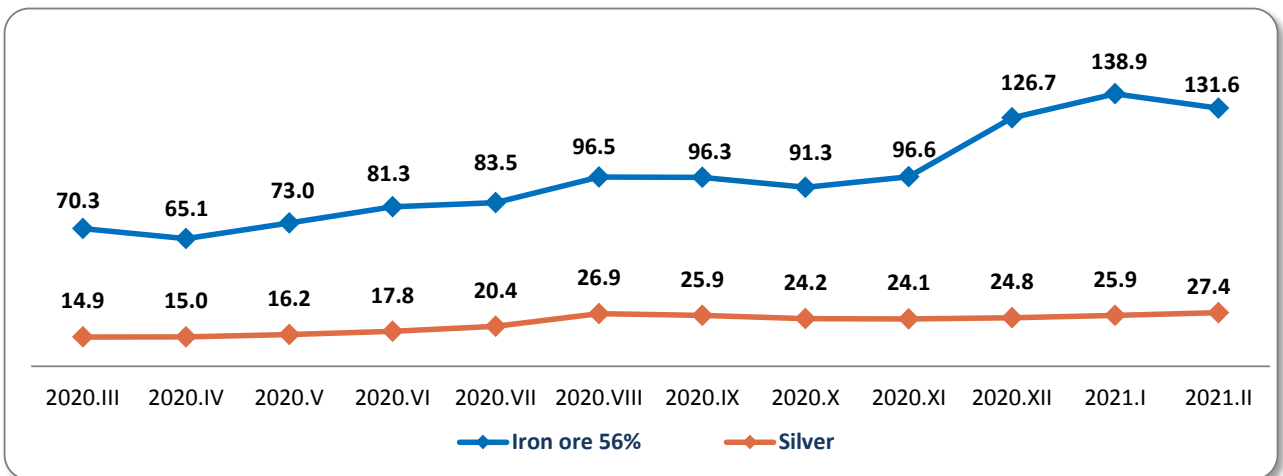


Source: [www.kitco.com](http://www.kitco.com), [www.westmetall.com](http://www.westmetall.com), [www.lme.com](http://www.lme.com), [www.asianmetal.com](http://www.asianmetal.com), [www.lndmin.com](http://www.lndmin.com), [www.umetal.com](http://www.umetal.com) [www.sxcoal.com](http://www.sxcoal.com)

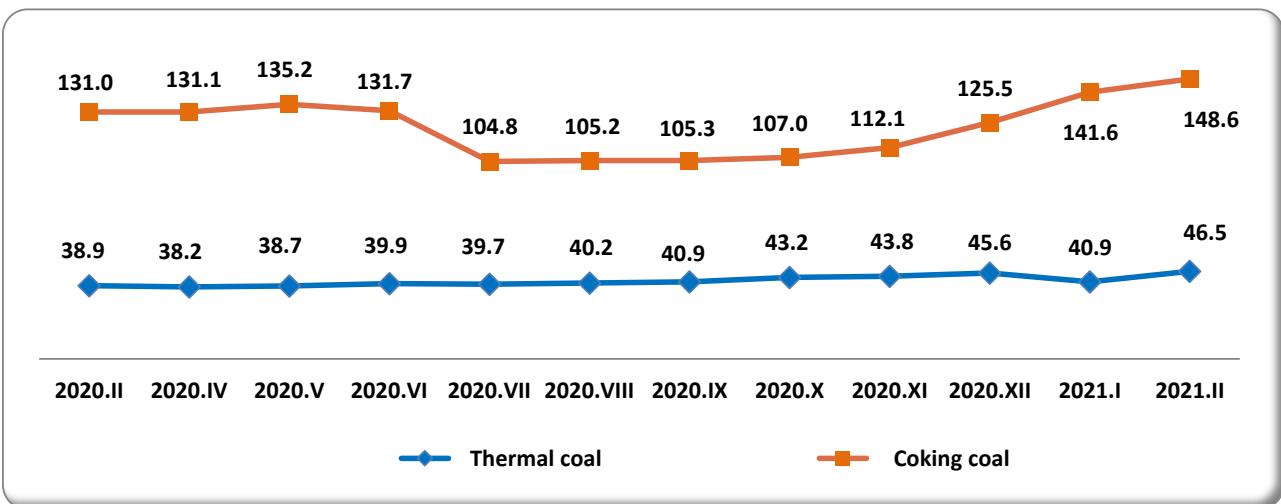
3.11. AVERAGE PRICE OF TIN, MOLYBDENUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons and last 12 months



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



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



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)

### 3.14. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, by 2020-2021

	Stock exchange	Symbol	Currency	Average price						Market value /2021.III.02/
				2020	2020.II	2021.I	2021.II	<u>2010.II</u> 2020.II	<u>2021.II</u> 2021.I	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	2.960	0.618	12.15	14.82	2398%	122.0%	3.136B
Peabody Energy Corporation	NYQ	BTU	USD	3.53	7.383	3.67	4.17	56.5%	113.6%	400.836M
Rio Tinto plc	LSE	RIO.L	GBP	4,394.8	4,103.6	5,958.5	6,148.0	149.8%	103.2%	101.995B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.72	0.076	1.13	1.24	1632%	109.7%	225.751M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.5	0.453	32.15	2.9	640%	9.0%	2.779B
South Gobi Resources Ltd.	HKG	1878.HK	HKD	0.63	0.8	-	-	-	-	-
Centerra Gold Inc.	TOR	CG.TO	CAD	12.85	10.125	14.36	13.730	135.6%	95.6%	3.565B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.35	0.273	0.44	0.43	157.5%	97.7%	113.702M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.4	0.4	0.53	0.625	156.3%	117.9%	124.568M
Silver Elephant Mining Corp.	TOR	ELEF.TO	CAD	0.34	0.257	0.44	0.45	-	102.3%	86.243M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.78	0.893	2.39	2.42	271.0%	101.3%	163.142M
Kincora Copper Limited	VAN	KCC.V	CAD	0.09	0.045	0.27	0.23	511.1%	85.2%	20.506M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.11	-	0.15	0.2	-	133.3%	14.013M
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.04	0.034	0.39	0.04	118%	10.3%	57.868M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.08	0.105	0.1	0.1	95.2%	100.0%	50.256M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	-	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.05	-	-	-	-	-	-
TerraCom Limited	ASX	TER.AX	AUD	0.17	-	0.16	0.14	-	87.5%	75.361M
Viking Mines Limited	ASX	VKA.AX	AUD	0.01	-	0.04	0.045	-	112.5%	40.046M
Banpu Public Company Limited	SET	BANPU.BK	THB	7.23	9.413	10.48	11.48	-	109.5%	59.373B
Petro Matad Limited	LSE	MATD.L	GBP	2.78	3.151	3.59	3.25	103.1%	90.5%	20.443M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-
Elixir Energy Limited	ASX	EXR.AX	AUD	0.12	-	0.17	0.189	-	111.2%	206.844M

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), [www.set.or.th](http://www.set.or.th)

### 3.15. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, by 2020-2021

	Symbol	Average price					
		2020	2020.II	2021.I	2021.II	<u>2021.II</u> 2020.II	<u>2021.II</u> 2021.I
Tavantolgoi	TTL	5,851	6,522	7,017	7,579	116.2%	108.0%
Baganuur	BAN	960	975	1,030	1,079	110.7%	104.7%
Shivee-Ovoo	SHV	1,962	2,300	1,999	1,793	78.0%	89.7%
Aduunchuluun	ADL	1,055	1,219	-	954	78.3%	-
Shariin Gol	SHG	990	1,153	850	894	77.5%	105.2%
Erdene Resource Development Corporation	ERDN	716	548	869	977	178.3%	112.4%
Mogoin gol	BDL	7,768	9,000	-	7,983	88.7%	-
Bayanteeg	BTG	25,934	28,500	-	22	0.1%	-
Berkh-Uul	BEU	558	690	-	907	131.4%	-
Khar Tarvagatai	TVT	4,674	-	4,500	4,750	-	105.6%
Taliin Gal	TAL	18	-	-	-	-	-
Mongol Basalt	MBW	210	248	181	179	72.1%	98.7%
Mongol Ceramic	KEK	16,500	-	-	-	-	-
Silikat	SIL	47	45	-	33	73.3%	-
Songolon barmat	SSG	1,086	-	-	-	-	-
Remicon	RMC	27	29	24	23	78.7%	95.0%
Arig Tal	EER	2,815	3,083	2,500	2,575	83.5%	103.0%
Niislel-Urguu	NUR	2,327	-	-	2,874	-	-
Erchim Bayan-Ulgii	BOE	-	-	-	-	-	-
Khukh Gan	HGN	72	77	63	76	99.0%	121.0%
Nako Tulsh	NKT	28	34	-	-	-	-

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

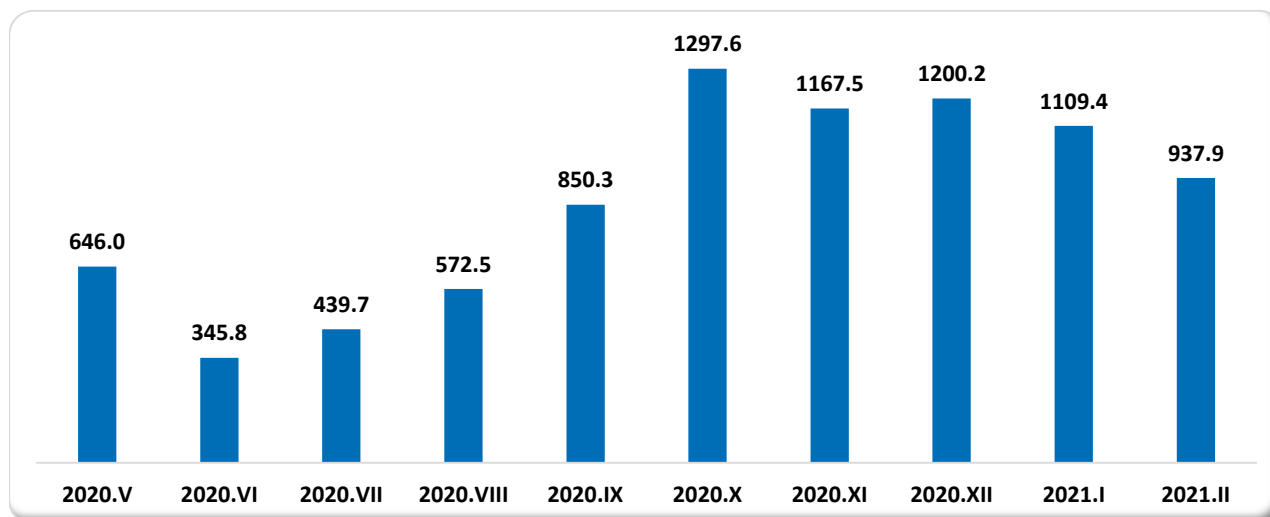
3.16. STRIPING, COAL PRODUCTION, SALE AND EXPORT, by 2016-2021

	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019	292,181.7	57,128.8	47,047.8	36,809.1
2020	209,363.8	43,079.3	40,984.5	31,177.8
2021.I-II	48,452.8	9,079.4	7,968.8	5,921.5

3.17. COAL SALE, by ths.tons, type and 2021.I-II

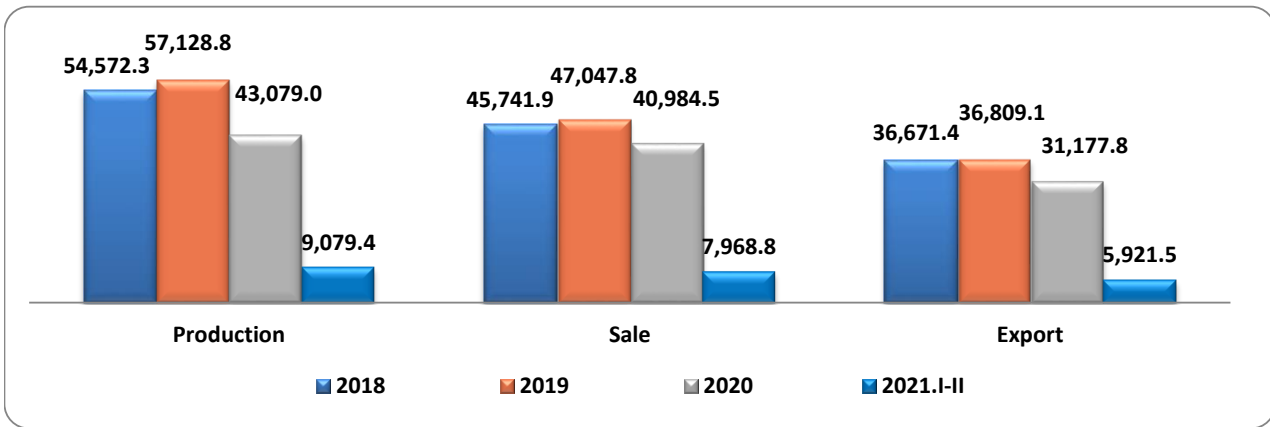
	TOTAL	Export	Local
<b>БҮГД</b>	<b>7,968.8</b>	<b>5,921.5</b>	<b>2,047.3</b>
Washed coking coal	621.4	621.4	-
Raw coking coal	3,604.4	3,604.4	-
Weak coking coal	1,118.2	1,118.2	-
Thermal coal	577.5	577.5	-
Brown coal	2,047.3	-	2,047.3

3.18. LOCAL COAL SALE, ths.tons and last 12 months



Source: Coal Research Division, MRPAM

3.19. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons* and 2018-2021



3.20. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons*, month and 2020-2021

	Production	Sale	Export
<b>2020</b>	<b>43,079.0</b>	<b>40,984.5</b>	<b>31,177.8</b>
2020.I	3,583.0	2,908.1	2,034.7
2020.II	2,369.9	1,290.0	419.9
2020.III	1,505.9	1,320.4	640.6
2020.IV	1,699.5	1,700.7	836.8
2020.V	1,673.2	1,984.2	1,338.3
2020.VI	3,391.9	2,150.2	1,804.4
2020.VII	2,129.5	2,780.4	2,340.7
2020.VIII	3,341.8	3,141.0	2,568.5
2020.IX	3,897.4	6,032.2	5,182.0
2020.X	6,060.9	6,670.8	5,373.2
2020.XI	6,657.7	5,670.8	4,503.2
2020.XII	6,768.3	5,335.7	4,135.5
<b>2021.I-II</b>	<b>9,079.4</b>	<b>7,968.8</b>	<b>5,921.5</b>
2021.I	4,877.2	4,394.7	3,285.4
2021.II	4,202.2	3,574.1	2,636.1
<b><u>2021.II</u></b> <b><u>2020.II</u></b>	<b>177.3%</b>	<b>277.1%</b>	<b>627.8%</b>
<b><u>2021.I-II</u></b> <b><u>2020.I-II</u></b>	<b>152.5%</b>	<b>189.8%</b>	<b>241.2%</b>

Source: Coal Research Division, MRPAM

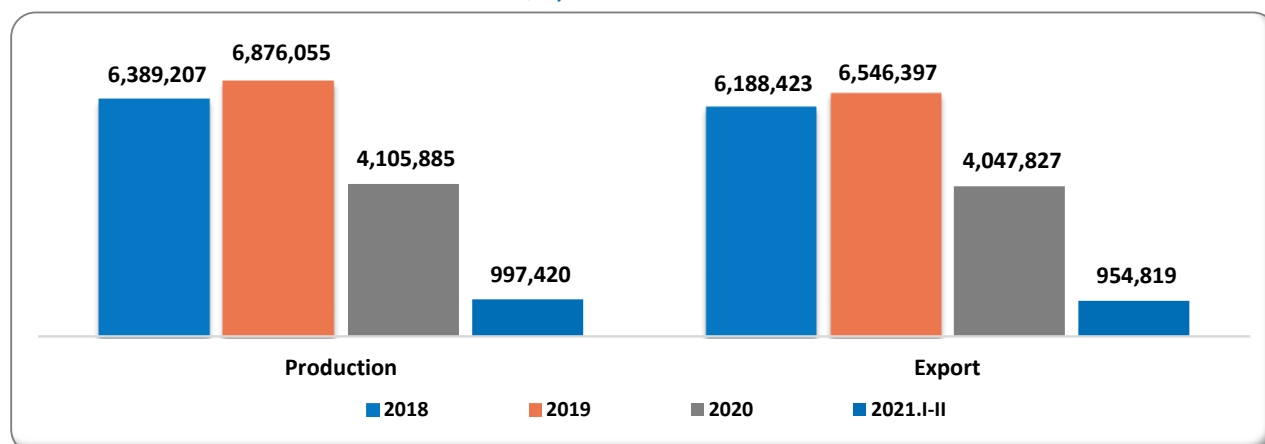
## 3.21. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, 2021.//

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	
Raw coal	<i>Coal</i>									
	Coking	Khang	Dadiin khar tolgoi	-	-	-	-	-	-	-
		Gashuun sukhait	Erdenes tavan tolgoi	84.5	27.5	16.3	0.98	2.1	7245	
			Tavan tolgoi	81.1	28.4	17.5	0.82	2.6	6945	
		Zamiin uud	Erdenes tavan tolgoi	84.5	26.9	15.6	0.87	2.3	6345	
	Weak coking	Gashuun sukhait	Tavan tolgoi	56.2	24	34.1	1.15	3.1	6045	
		Shivee khuren	-	-	-	-	-	-	-	
	Non coking	Khang	-	-	-	-	-	-	-	
		Gashuun sukhait	Erdenes tavan tolgoi	-	26.9	18.2	0.97	1.5	6545	
		Shivee khuren	-	-	-	-	-	-	-	
	<i>Washed coal</i>									
	Coking	Gashuun sukhait	Ukhaa khudag	82.6	24.9	10.1	0.9	10.1	6625	
		Khang	Ail bayan	94.1	22.2	13.2	0.67	17.2	6145	
		Yarant	Mo En Ko	72.1	20.4	22.4	0.6	3.2	7490	
	Weak coking	Gashuun sukhait	Baruun naran	79.6	31	11	0.89	8.9	7168	
		Shivee khuren	-	-	-	-	-	-	-	
Coke, semi-coke	Gashuun sukhait	Tavan tolgoi trans	-	-	-	-	-	-		
Other	Zamiin uud	Dalan	-	25.4	31.4	1.55	7.7	5049		
		Khuut	-	41.6	27.5	0.78	24.5	4145		
Coal	Bichigt	Tukhum	-	47.8	14.9	1.68	32.2	3508		
		Erdeniin bosgo	-	57.3	34	2.55	23.9	2985		

Source: Central Laboratory of Mining and Petroleum, MRPAM

# 4 | PETROLEUM

## 4.1. PETROLEUM PRODUCTION AND EXPORT, by barrel and 2018-2021



## 4.2. PETROLEUM PRODUCTION AND EXPORT, by barrel, month and 2020-2021

	Production		Export	
	Barrel	Percent	Barrel	Percent
<b>2020</b>	<b>4,105,885</b>	<b>100%</b>	<b>4,047,827</b>	<b>100%</b>
2020.I	375,848	9.2%	287,708	7.1%
2020.II	45,511	1.1%	-	-
2020.III	40,234	1.0%	34,584	0.9%
2020.IV	97,679	2.4%	165,747	4.1%
2020.V	210,549	5.1%	175,757	4.3%
2020.VI	258,256	6.3%	287,313	7.1%
2020.VII	352,651	8.6%	331,286	8.2%
2020.VIII	514,838	12.5%	548,383	13.5%
2020.IX	550,577	13.4%	548,850	13.6%
2020.X	571,504	13.9%	570,295	14.1%
2020.XI	545,036	13.3%	613,004	15.1%
2020.XII	543,201	13.2%	484,901	12.0%
<b>2021.I-II</b>	<b>997,420</b>	<b>100.0%</b>	<b>954,819</b>	<b>100.0%</b>
2021.I	528,388	53.0%	519,260	54.4%
2021.II	469,032	47.0%	435,559	45.6%
<b><u>2021.II</u></b> <b><u>2020.II</u></b>	<b>1030.6%</b>	-	-	-
<b><u>2021.I-II</u></b> <b><u>2020.I-II</u></b>	<b>236.7%</b>	-	<b>331.9%</b>	-

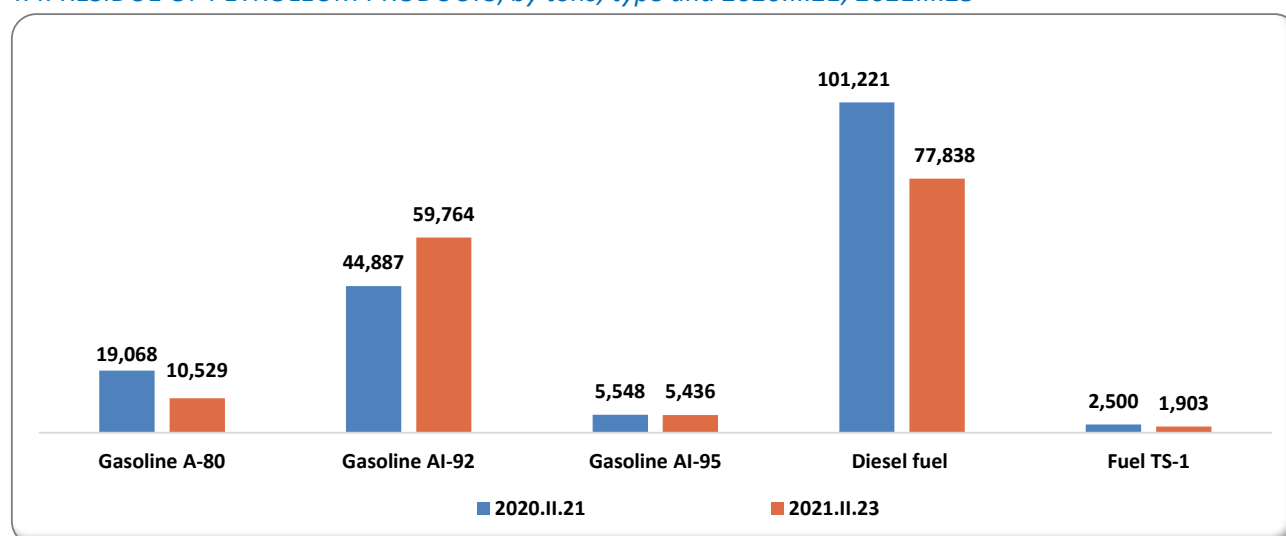
Source: Petroleum Exploitation Division, MRPAM



4.3. PETROLEUM PRODUCTS IMPORTING, by tons, type, months and 2019-2021

	Total	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique- fied gas	Other
<b>2019</b>	<b>2,004,172</b>	<b>70,559</b>	<b>468,824</b>	<b>23,357</b>	<b>1,191</b>	<b>1,118,417</b>	<b>46,621</b>	<b>41,120</b>	<b>234,082</b>
<b>2020</b>	<b>1,991,167</b>	<b>57,597</b>	<b>522,558</b>	<b>29,861</b>	<b>1,068</b>	<b>1,049,894</b>	<b>24,994</b>	<b>25,809</b>	<b>279,385</b>
2020.I	196,696	7,103	47,763	4,247	187	113,855	5,088	2,849	15,603
2020.II	108,312	2,380	24,698	1,421	63	55,442	1,145	3,971	19,193
2020.III	103,413	3,184	31,888	2,081	55	40,644	1,556	49	23,956
2020.IV	129,237	2,791	39,280	1,227	-	60,726	957	82	24,173
2020.V	164,372	4,508	52,520	1,272	-	80,278	2,058	2,770	20,966
2020.VI	229,996	6,480	56,638	2,624	-	125,992	2,999	66	35,198
2020.VII	179,201	7,240	45,696	2,190	121	85,585	738	100	37,531
2020.VIII	180,550	6,574	47,000	2,164	122	104,611	1,616	4,419	14,044
2020.IX	141,031	3,638	32,803	6,036	100	75,900	2,365	5,713	14,475
2020.X	156,935	5,459	39,905	608	243	81,378	3,813	173	25,356
2020.XI	228,630	3,505	69,808	4,478	61	115,869	209	3,054	31,647
2020.XII	172,795	4,736	34,559	1,514	115	109,613	2,451	2,563	17,244
<b>2021.I-II</b>	<b>287,228</b>	<b>6,945</b>	<b>68,524</b>	<b>2,371</b>	<b>230</b>	<b>178,665</b>	<b>6,699</b>	<b>1,873</b>	<b>21,920</b>
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
<b><u>2021.II</u></b> <b><u>2020.II</u></b>	<b>112.1%</b>	<b>147.5%</b>	<b>104.7%</b>	<b>92.6%</b>	<b>96.7%</b>	<b>134.8%</b>	<b>272.0%</b>	<b>11.8%</b>	<b>64.1%</b>
<b><u>2021.I-II</u></b> <b><u>2020.I-II</u></b>	<b>94.2%</b>	<b>73.2%</b>	<b>94.6%</b>	<b>41.8%</b>	<b>92.1%</b>	<b>105.5%</b>	<b>107.5%</b>	<b>27.5%</b>	<b>63.0%</b>

4.4. RESIDUE OF PETROLEUM PRODUCTS, by tons, type and 2020.II.21, 2021.II.23



Source: Petroleum Products Division, MRPAM

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

	New York / WTI		London / BRENT	
	Opening price	Closing price	Opening price	Closing price
2020/03/03	47.72	47.18	53.47	51.86
2020/03/10	30.37	34.36	35.84	37.22
2020/03/17	28.69	26.95	30.14	28.73
2020/03/24	23.87	24.01	27.72	27.15
2020/03/31	20.23	20.48	23.00	22.74
2020/04/07	26.34	23.63	33.66	31.87
2020/04/14	22.36	20.11	32.25	29.60
2020/04/21	-14.00	10.01	26.33	19.33
2020/04/28	12.96	12.34	19.90	20.46
2020/05/05	21.24	24.56	28.10	30.97
2020/05/12	24.49	25.78	30.07	29.98
2020/05/19	32.83	32.50	35.66	34.65
2020/05/26	33.30	34.35	35.66	36.17
2020/06/02	35.56	36.81	38.34	39.57
2020/06/09	38.22	38.94	41.10	41.18
2020/06/16	37.05	38.38	39.94	40.96
2020/06/23	0.00	40.37	43.21	42.63
2020/06/30	39.64	39.27	41.33	41.15
2020/07/07	40.68	40.62	43.13	43.08
2020/07/16	39.60	40.29	42.24	42.90
2020/07/21	40.65	41.96	43.17	44.32
2020/07/28	41.65	41.04	43.55	43.22
2020/08/04	40.78	41.70	43.84	44.43
2020/08/10	41.50	41.94	44.66	44.99
2020/08/17	42.24	42.89	44.86	45.37
2020/08/24	42.48	42.62	44.50	45.13
2020/08/31	42.90	42.61	45.80	45.28
2020/09/08	39.48	39.22	42.20	42.01
2020/09/14	37.32	37.26	39.78	39.61
2020/09/21	40.98	39.31	43.01	41.44
2020/09/29	40.07	40.60	41.98	42.43
2020/10/05	37.00	39.22	39.19	41.29
2020/10/12	40.40	39.43	42.60	41.72
2020/10/19	40.70	40.83	42.70	42.60
2020/10/26	39.15	38.56	41.53	40.46
2020/11/02	35.24	36.81	35.24	36.81
2020/11/09	37.34	40.30	37.34	40.30
2020/11/16	40.17	41.34	40.17	41.34
2020/11/23	42.46	43.06	42.46	43.06
2020/11/30	45.34	45.34	47.91	47.59
2020/12/07	45.64	46.26	49.06	48.64
2020/12/14	46.73	46.99	50.05	50.29
2020/12/21	48.54	47.74	51.38	50.84
2020/12/27	48.16	47.88	51.02	50.96
2021/01/04	48.40	47.62	51.50	51.09
2021/01/11	52.30	52.12	55.93	55.62
2021/01/18	52.20	52.34	54.75	55.02
2021/01/25	52.28	52.86	55.32	55.73
2021/02/02	53.59	54.01	56.39	56.80
2021/02/09	58.05	58.25	60.84	60.88
2021/02/16	60.09	60.12	63.44	63.52
2021/02/23	61.64	61.97	64.59	64.75
<b>2021.II.23</b>	<b>117.9%</b>	<b>117.2%</b>	<b>116.8%</b>	<b>116.2%</b>
<b>2021.I.25</b>				
<b>2021.II.23</b>	<b>120.0%</b>	<b>124.2%</b>	<b>114.4%</b>	<b>117.8%</b>
<b>2020.II.21</b>				

Source: [www.wtrg.com](http://www.wtrg.com), [www.bloomberg.com](http://www.bloomberg.com), [www.reuters.com](http://www.reuters.com), [www.topoilnews.com](http://www.topoilnews.com), [www.oil.in-en.com](http://www.oil.in-en.com), [www.nymex.com](http://www.nymex.com), [www.finmarket.ru](http://www.finmarket.ru), [www.ineng.org](http://www.ineng.org), [www.quandl.com](http://www.quandl.com).

4.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, provinces and 2021.I.26, 2021.II.23

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2021. I.26	2021. II.23	<u>2021.II.23</u> 2021.I.26	2021. I.26	2021. II.23	<u>2021.II.23</u> 2021.I.26	2021. I.26	2021. II.23	<u>2021.II.23</u> 2021.I.26	2021. I.26	2021. II.23	<u>2021.II.23</u> 2021.I.26
<b>NATIONAL AVERAGE PRICE</b>	<b>1,483</b>	<b>1,492</b>	<b>100.6%</b>	<b>1,559</b>	<b>1,560</b>	<b>100.1%</b>	<b>2,083</b>	<b>2,174</b>	<b>104.4%</b>	<b>2,025</b>	<b>2,112</b>	<b>104.3%</b>
<b>Western region</b>	<b>1,540</b>	<b>1,540</b>	<b>100.0%</b>	<b>1,630</b>	<b>1,630</b>	<b>100.0%</b>	-	-	-	<b>1,894</b>	<b>1,974</b>	<b>104.2%</b>
Bayan-Ulgii	1,450	1,450	100.0%	1,520	1,520	100.0%	-	-	-	1,600	1,600	100.0%
Govi-Altai	1,560	1,560	100.0%	1,630	1,630	100.0%	-	-	-	2,070	2,170	104.8%
Zavkhan	1,620	1,620	100.0%	1,720	1,720	100.0%	-	-	-	2,050	2,150	104.9%
Uvs	1,520	1,520	100.0%	1,630	1,630	100.0%	-	-	-	1,950	2,050	105.1%
Hovd	1,550	1,550	100.0%	1,650	1,650	100.0%	-	-	-	1,800	1,900	105.6%
<b>Hangai region</b>	<b>1,439</b>	<b>1,450</b>	<b>100.8%</b>	<b>1,514</b>	<b>1,519</b>	<b>100.3%</b>	<b>2,098</b>	<b>2,198</b>	<b>104.8%</b>	<b>2,047</b>	<b>2,147</b>	<b>104.9%</b>
Arkhangai	1,450	1,450	100.0%	1,530	1,530	100.0%	2,140	2,240	104.7%	2,100	2,200	104.8%
Bayankhongor	1,460	1,460	100.0%	1,560	1,560	100.0%	-	-	-	2,000	2,100	105.0%
Bulgan	1,440	1,440	100.0%	1,490	1,490	100.0%	2,090	2,190	104.8%	2,080	2,180	104.8%
Uvurkhangai	1,450	1,450	100.0%	1,500	1,530	102.0%	2,140	2,240	104.7%	2,000	2,100	105.0%
Orkhon	1,420	1,440	101.4%	1,490	1,490	100.0%	2,090	2,190	104.8%	2,060	2,160	104.9%
Selenge	1,400	1,400	100.0%	1,470	1,470	100.0%	2,030	2,130	104.9%	2,090	2,190	104.8%
Khuvsgul	1,450	1,510	104.1%	1,560	1,560	100.0%	2,100	2,200	104.8%	2,000	2,100	105.0%
<b>Central region</b>	<b>1,455</b>	<b>1,463</b>	<b>100.6%</b>	<b>1,523</b>	<b>1,523</b>	<b>100.0%</b>	<b>2,050</b>	<b>2,125</b>	<b>103.7%</b>	<b>2,087</b>	<b>2,153</b>	<b>103.2%</b>
Ulaanbaatar	1400- 1450	1400- 1450	100.0%	1450- 1470	1450- 1470	100.0%	2000- 2010	2100- 2110	105.0%	1950- 2100	2190- 2200	104.8%
Tuv	1,430	1,430	100.0%	1,470	1,470	100.0%	2,020	2,120	105.0%	1,990	2,090	105.0%
Darkhan	1,400	1,400	100.0%	1,470	1,470	100.0%	2,020	2,120	105.0%	2,060	2,160	104.9%
Govisumber	1,440	1,440	100.0%	1,510	1,510	100.0%	2,050	2,050	100.0%	2,090	2,090	100.0%
Dundgovi	1,500	1,500	100.0%	1,560	1,560	100.0%	2,060	2,160	104.9%	2,130	2,230	104.7%
Dornogovi	1,430	1,430	100.0%	1,550	1,550	100.0%	2,050	2,100	102.4%	2,100	2,100	100.0%
Umnugovi	1,530	1,580	103.3%	1,580	1,580	100.0%	2,100	2,200	104.8%	2,150	2,250	104.7%
<b>Eastern region</b>	<b>1,497</b>	<b>1,513</b>	<b>101.1%</b>	<b>1,570</b>	<b>1,570</b>	<b>100.0%</b>	<b>2,100</b>	<b>2,200</b>	<b>104.8%</b>	<b>2,073</b>	<b>2,173</b>	<b>104.8%</b>
Dornod	1,520	1,520	100.0%	1,560	1,560	100.0%	2,100	2,200	104.8%	2,000	2,100	105.0%
Sukhbaatar	1,500	1,550	103.3%	1,600	1,600	100.0%	2,150	2,250	104.7%	2,220	2,320	104.5%
Khentii	1,470	1,470	100.0%	1,550	1,550	100.0%	2,050	2,150	104.9%	2,000	2,100	105.0%

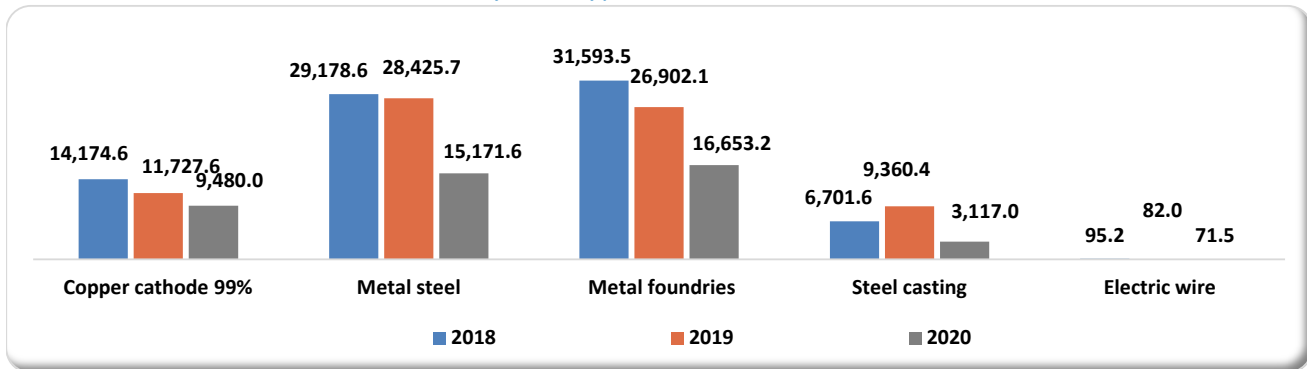
Source: Petroleum Products Division, MRPAM

4.7. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type, and end of month 2019-2021

	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
2019.I.29	1768	1823	2206	2353
2019.II.26	1763	1819	2206	2351
2019.III.26	1763	1819	2206	2348
2019.IV.30	1803	1885	2248	2401
2019.V.28	1875	1980	2325	2445
2019.VI.25	1874	1968	2297	2435
2019.VII.30	1845	1921	2262	2433
2019.VIII.27	1844	1920	2260	2432
2019.IX.24	1844	1920	2260	2426
2019.X.29	1847	1920	2260	2425
2019.XI.25	1847	1925	2260	2526
2019.XII.30	1847	1925	2260	2524
2020.I.28	1847	1925	2260	2524
2020.II.21	1847	1925	2260	2524
2020.III.31	1785	1863	2196	2515
2020.IV.28	1505	1571	2051	2230
2020.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
<b><u>2021.II.23</u></b> <b><u>2021.I.26</u></b>	<b>100.6%</b>	<b>100.1%</b>	<b>104.4%</b>	<b>104.3%</b>
<b><u>2021.II.23</u></b> <b><u>2020.II.21</u></b>	<b>80.8%</b>	<b>81.1%</b>	<b>96.2%</b>	<b>83.7%</b>
<b><u>2021.II.23</u></b> <b><u>2019.II.26</u></b>	<b>84.6%</b>	<b>85.8%</b>	<b>98.6%</b>	<b>89.8%</b>

Source: Petroleum Products Division, MRPAM

## 5.1. HEAVY INDUSTRIAL PRODUCTION, by tons, type and 2018-2020

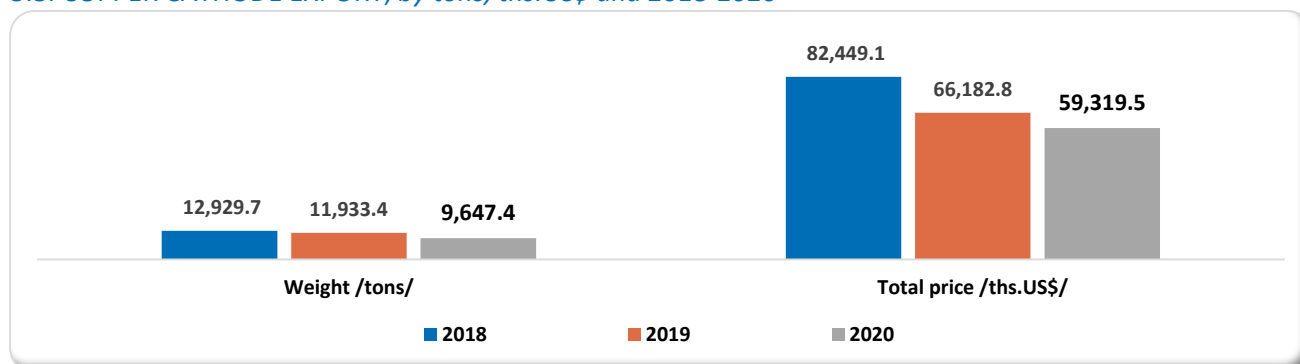


## 5.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and months, 2019-2020

	Copper cathode 99%	Metal steel	Metal foundries	Steel casting	Electric wire
<b>2019</b>	<b>11,727.6</b>	<b>28,425.7</b>	<b>26,902.1</b>	<b>9,360.4</b>	<b>82.0</b>
2019.I	1,236.5	3,520.6	3,624.9	386.7	9.2
2019.II	1,020.9	3,675.9	3,932.0	311.6	7.7
2019.III	1,038.7	624.2	-	496.3	9.1
2019.IV	1,031.9	2,035.8	1,704.1	998.1	13.1
2019.V	1,076.5	3,661.9	4,096.0	1,179.9	6.9
2019.VI	884.4	2,540.7	3,072.4	859.1	6.1
2019.VII	986.3	3,191.9	2,242.1	226.8	4.0
2019.VIII	931.4	805.1	1,603.0	1,052.9	-
2019.IX	743.7	1,695.9	3,312.2	1,092.5	7.0
2019.X	933.7	2,126.0	-	978.9	13.4
2019.XI	912.3	2,116.4	-	942.1	4.7
2019.XII	931.3	2,431.3	3,315.4	835.5	0.8
<b>2020</b>	<b>9,480.0</b>	<b>15,171.6</b>	<b>16,653.2</b>	<b>3,117.0</b>	<b>71.5</b>
2020.I	903.9	2,458.4	3,679.0	722.3	0.4
2020.II	817.3	2,158.4	3,390.8	-	8.3
2020.III	727.0	41.7	-	462.9	8.7
2020.IV	741.8	3,224.4	-	726.3	8.4
2020.V	793.3	89.9	3,702.4	825.3	3.7
2020.VI	693.2	3,249.4	-	0.7	10.6
2020.VII	818.6	73.1	-	-	3.6
2020.VIII	684.2	72.1	-	0.4	10.8
2020.IX	694.6	3,621.8	2,372.0	0.4	8.6
2020.X	871.0	168.6	3,509.0	0.4	7.0
2020.XI	814.7	8.7	-	0.3	1.4
2020.XII	920.4	5.1	-	378.0	-
<b>2020.XII</b>	<b>98.8%</b>	<b>0.2%</b>	<b>-</b>	<b>45.24%</b>	<b>29.8%</b>
<b>2019.XII</b>					
<b>2020</b>	<b>80.8%</b>	<b>53.4%</b>	<b>61.9%</b>	<b>33.3%</b>	<b>87.2%</b>
<b>2019</b>					

Source: Heavy Industry Research, Technical and Technological Division, MRPAM

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



## 5.4. COPPER CATHODE EXPORT, by tons, ths US\$, month and 2019-2020

	Weight		Total price	
	Tons	Percent	Ths.US\$	Percent
<b>2019</b>	<b>11,933.4</b>	<b>100%</b>	<b>66,182.8</b>	<b>100%</b>
2019.I	760.0	6.4%	4,381.0	6.6%
2019.II	761.0	6.4%	4,518.5	6.8%
2019.III	760.8	6.4%	4,769.4	7.2%
2019.IV	760.5	6.4%	4,779.7	7.2%
2019.V	760.7	6.4%	4,564.4	6.9%
2019.VI	761.0	6.4%	4,312.7	6.5%
2019.VII	560.7	4.7%	530.8	0.8%
2019.VIII	1,161.7	9.7%	6,450.5	9.7%
2019.IX	1,161.2	9.7%	6,395.5	9.7%
2019.X	1,161.2	9.7%	6,397.5	9.7%
2019.XI	1,362.0	11.4%	7,714.2	11.7%
2019.XII	1,962.6	16.4%	11,368.6	17.2%
<b>2020</b>	<b>9,647.4</b>	<b>100%</b>	<b>59,319.5</b>	<b>100%</b>
2020.I	960.7	10.0%	5,710.3	9.6%
2020.II	1,161.0	12.0%	6,408.3	10.8%
2020.III	960.9	10.0%	5,179.7	8.7%
2020.IV	720.5	7.5%	3,466.4	5.8%
2020.V	760.5	7.9%	3,774.4	6.4%
2020.VI	1,160.8	12.0%	6,225.3	10.5%
2020.VII	159.8	1.7%	910.3	1.5%
2020.VIII	120.0	1.2%	757.0	1.3%
2020.IX	159.9	1.7%	1,031.8	1.7%
2020.X	159.9	1.7%	1,066.1	1.8%
2020.XI	-	-	-	-
2020.XII	3,323.4	34.4%	24,790.0	41.8%
<b>2020.XII</b>	<b>169.3%</b>	-	<b>218.1%</b>	-
<b>2020</b>	<b>112.1%</b>	-	<b>89.6%</b>	-

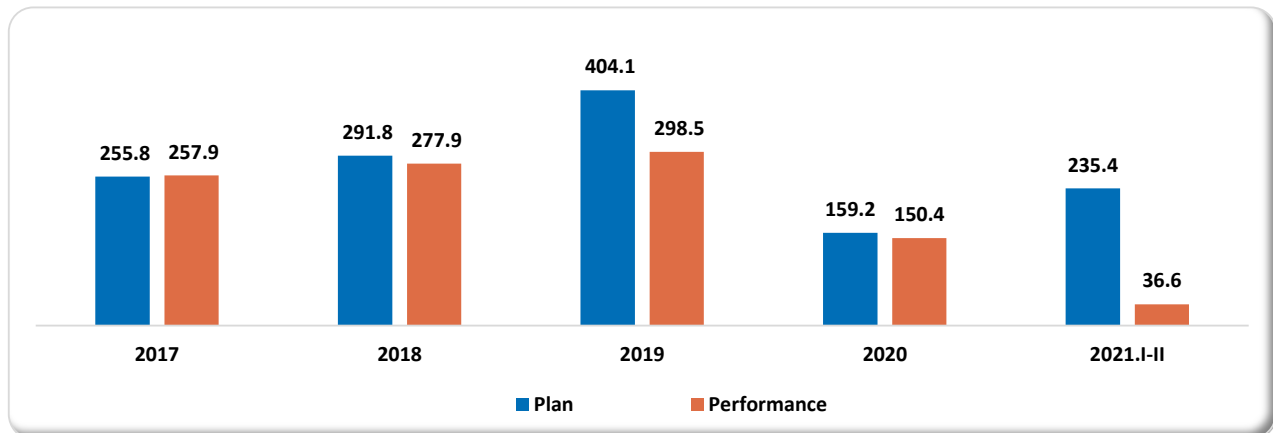
Source: Heavy Industry Research, Technical and Technological Division, MRPAM

# 6 | STATE BUDGET REVENUE

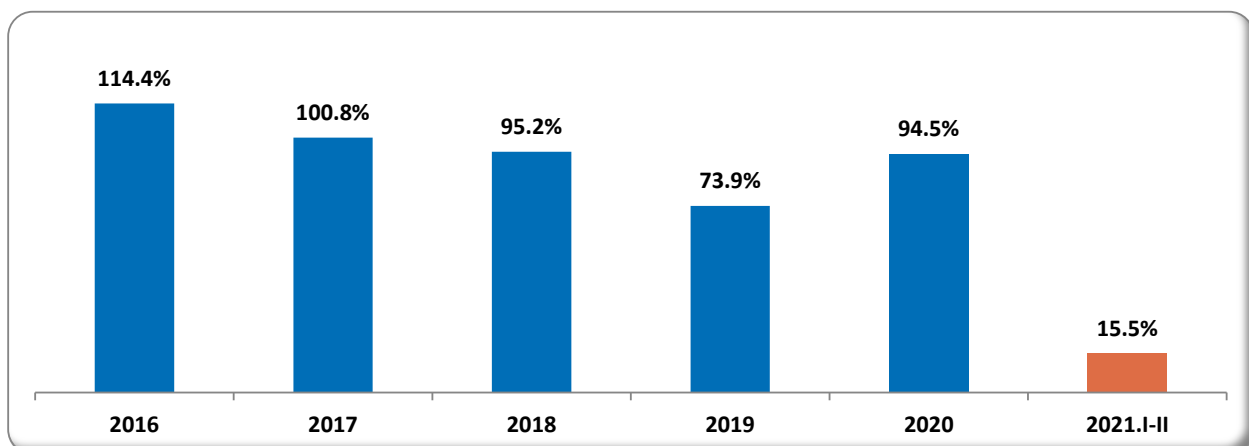
## 6.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by million.MNT, income type and 2021

	Plan of 2021	2021.I-II	
		Performance	Performance rate
<b>TOTAL</b>	<b>235,400.0</b>	<b>36,582.5</b>	<b>15.5%</b>
License fee	31,200.0	3,637.6	11.7%
Reimbursement	2,500.0	187.0	7.5%
Petroleum export revenue	183,200.0	30,860.0	16.8%
Service revenue (petroleum)	873.9	693.7	79.4%
Service revenue (mineral resources)	1,626.1	340.9	21.0%
Tender revenue	16,000.0	863.2	5.4%

## 6.2. BUDGET REVENUE OF MRPAM, by billion MNT and 2017-2021



## 6.3. BUDGET PERFORMANCE RATE OF MRPAM, by 2016-2020



Source: Public Administration and Management Division, MRPAM



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