



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2021/03



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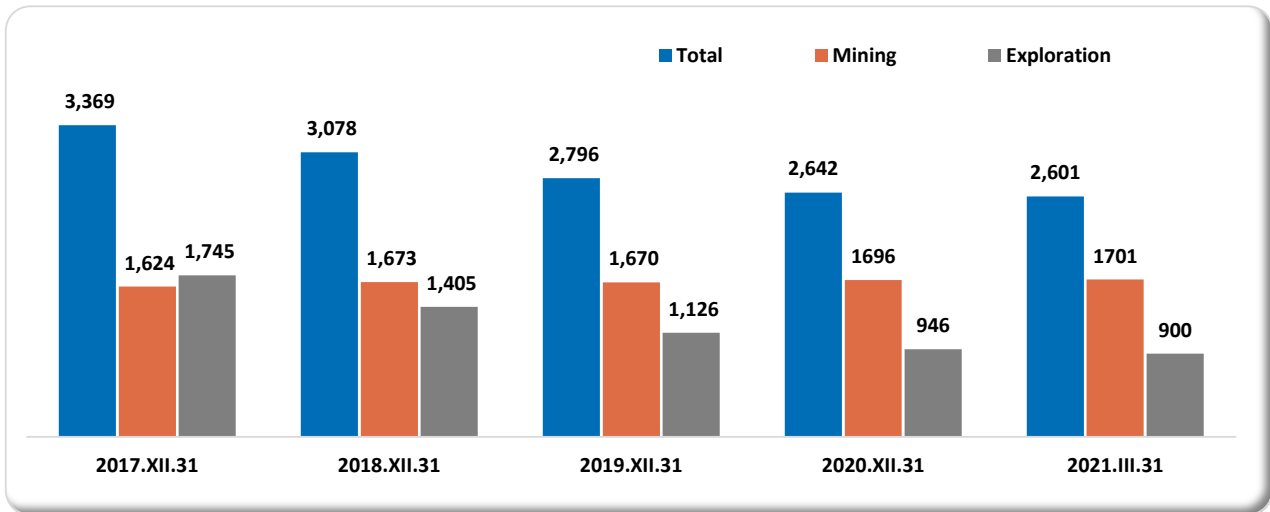
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1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces and 2021.III.31

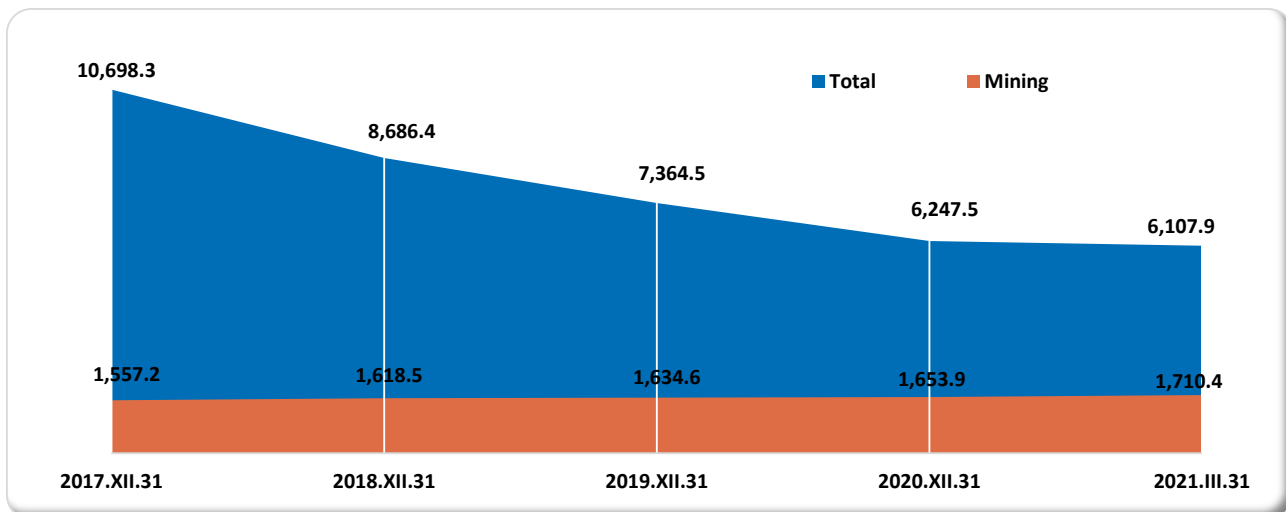
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2,601	6,107.9	3.9%	1,701	1,710.4	1.1%	900	4,397.5	2.8%
Arkhangai	23	17.7	0.3%	18	9.3	0.2%	5	8.4	0.2%
Bayan-Ulgii	55	151.7	3.3%	28	15.2	0.3%	27	136.6	3.0%
Bayankhongor	129	309.9	2.7%	87	121.6	1.1%	42	188.4	1.6%
Bulgan	99	87.8	1.8%	76	38.9	0.8%	23	48.9	1.0%
Govi-Altai	132	581.4	4.1%	55	92.2	0.7%	77	489.2	3.4%
Govisumber	16	44.6	8.1%	13	38.9	7.0%	3	5.8	1.0%
Darkhan Uul	67	9.2	2.8%	61	7.6	2.3%	6	1.6	0.5%
Dornogovi	328	1,042.2	9.5%	197	251.3	2.3%	131	790.9	7.2%
Dornod	149	528.5	4.3%	73	63.7	0.5%	76	464.8	3.8%
Dundgovi	194	598.7	8.0%	112	175.5	2.3%	82	423.3	5.7%
Zavhan	47	221.6	2.7%	10	17.0	0.2%	37	204.6	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	161	924.5	5.6%	103	471.5	2.9%	58	453.0	2.7%
Sukhbaatar	90	237.0	2.9%	72	68.2	0.8%	18	168.8	2.0%
Selenge	174	87.3	2.1%	140	42.2	1.0%	34	45.1	1.1%
Tuv	379	339.2	4.6%	305	155.7	2.1%	74	183.5	2.5%
Uvs	109	287.8	4.1%	42	19.9	0.3%	67	267.9	3.9%
Ulaanbaatar	156	14.0	3.0%	150	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	92	205.9	2.7%	37	17.2	0.2%	55	188.7	2.5%
Khentii	211	299.3	3.7%	123	54.1	0.7%	88	245.2	3.0%

Source: Geology and Mining Cadastre Division, MRPAM

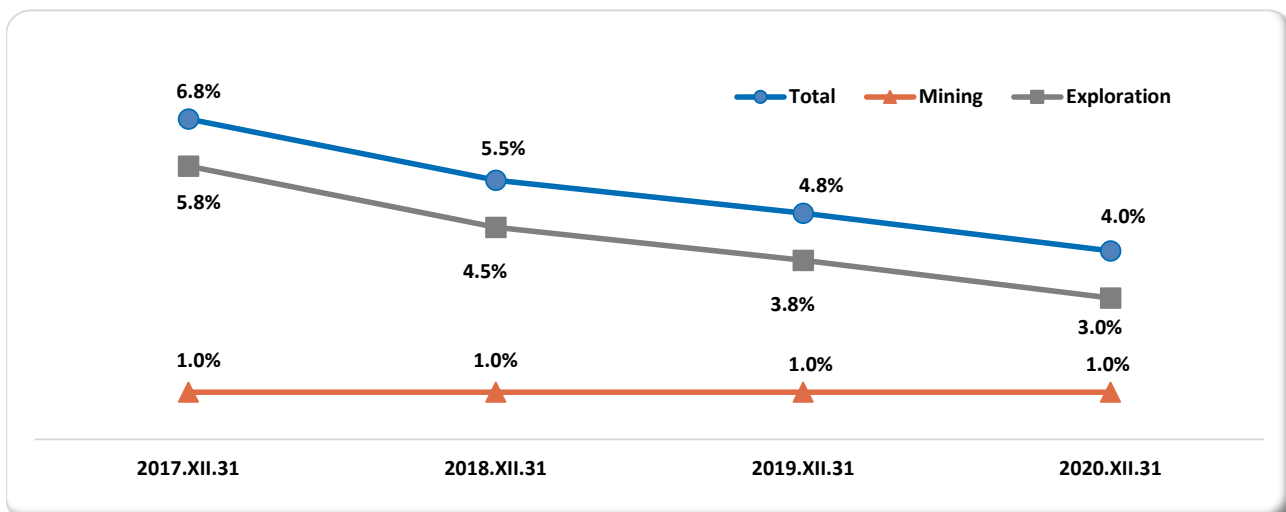
1.2. COUNT OF TOTAL VALID LICENSES, by 2017-2021



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.III.31

	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1701	100%	1,710,379.1	100%
Gold (placer)	438	25.7%	157,495.1	9.2%
Coal	303	17.8%	798,452.7	46.7%
Fluorite	199	11.7%	35,754.9	2.1%
Gold (placer)	90	5.3%	80,784.8	4.7%
Iron	77	4.5%	48,541.5	2.8%
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	2.6%	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%
Gypsum	26	1.5%	8,761.2	0.5%
Common mineral, sand	24	1.4%	1,333.4	0.1%
Concentrated metal	23	1.4%	26,976.6	1.6%
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%
Molybdenum	7	0.4%	8,922.5	0.5%
Marble	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	130	7.6%	139,852.7	8.2%

Source: Geology and Mining Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha, overlap and 2021.III.31

	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.III.31

	Count of area		Area size	
	Count	Percent	Hectare	Percent
TOTAL	262	100%	1,063.7	100%
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.III.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1691	2601	6,107,880.4	100.0%
Mongolian entities	1356	2069	4,587,130.8	75.1%
100% foreign entities	240	390	1,222,531.1	20.0%
Joint foreign entities	95	142	298,218.5	4.9%

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, by countries and 2021.III.31

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	240	390	1,222,531.1	100%
China	128	160	292,645.4	23.94%
Virgin Islands	30	56	107,954.8	8.83%
Hong Kong	14	28	73,213.7	5.99%
Singapore	14	58	338,541.8	27.69%
Canada	12	23	220,308.9	18.02%
South Korea	10	12	10,489.2	0.86%
Australia	4	4	22,097.0	1.81%
Russia	4	5	2,490.4	0.20%
Great Britain	3	4	6,038.7	0.49%
Holland	3	11	103,935.7	8.50%
United States of America	2	4	2,442.3	0.20%
Germany	2	2	603.9	0.05%
Bermud	2	3	7,314.3	0.60%
Japan	2	3	3,015.1	0.25%
Luxemburg	2	6	13,528.2	1.11%
Virgin Islands, Singapore	1	1	1,934.0	0.16%
Bulgaria	1	1	3,700.9	0.30%
Russia, South Korea	1	1	118.2	0.01%
Russia, China	1	1	47.5	0.00%
Seychelles	1	1	375.2	0.03%
Barbados	1	3	9,183.0	0.75%
Malaysia	1	2	2,416.5	0.20%
Kazakhstan	1	1	136.5	0.01%

Source: Geology and Mining Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, *by countries and 2021.III.31*

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	95	142	298,218.5	100%
Mongolia, China	45	63	89,272.3	29.9%
Mongolia, South Korea	9	14	24,162.5	8.1%
Mongolia, Russia	8	11	1,590.5	0.5%
Mongolia, Virgin Islands	6	10	35,233.8	11.8%
Mongolia, Japan	4	7	13,386.0	4.5%
Mongolia, Germany	3	4	5,911.9	2.0%
Mongolia, Singapore	3	4	4,296.9	1.4%
Mongolia, Czech Republic	2	5	28,576.6	9.6%
Mongolia, Great Britain	2	2	5,135.2	1.7%
Mongolia, Singapore, Hong Kong	2	7	23,454.2	7.9%
Mongolia, Hong Kong, Japan	1	3	43,809.3	14.7%
Mongolia, Hungary	1	1	87.4	0.0%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.5%
Mongolia, Poland	1	1	1,561.3	0.5%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Canada, China	1	1	6,352.8	2.1%
Mongolia, Canada	1	1	3,957.7	1.3%
Mongolia, Bulgaria	1	3	1,083.7	0.4%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	1.3%
Mongolia, Kazakhstan	1	1	1,789.4	0.6%
Mongolia, Luxemburg	1	1	3,273.9	1.1%

Source: Geology and Mining Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, by bank and non-bank financial institute and 2021.III.31

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	221	100%	165,324.3	100%
Trade and Development Bank	46	20.8%	25,242.0	15.3%
Golomt Bank	33	14.9%	26,829.9	16.2%
Development Bank of Mongolia	26	11.8%	19,706.5	11.9%
HAAN Bank	14	6.3%	2,239.6	1.4%
Anod Bank	8	3.6%	7,427.3	4.5%
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%
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%
Triple flag mining finance Bermuda Ltd	3	1.4%	13,017.0	7.9%
Credit bank	3	1.4%	95.6	0.1%
Bogd bank	3	1.4%	154.0	0.1%
GSB capital NBFi	3	1.4%	9,484.0	5.7%
Bank of China	3	1.4%	871.6	0.5%
First lithium Corporation	2	0.9%	17,131.1	10.4%
Transport Development bank	2	0.9%	328.1	0.2%
National Investment Bank	2	0.9%	805.0	0.5%
Erel bank	2	0.9%	150.3	0.1%
Khutult nomgon	2	0.9%	253.4	0.2%
Other	20	9.0%	20,330.6	12.3%

Source: Geology and Mining Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, by 2021.III.31

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.III.31

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-III
TOTAL	813	1187	698	502	156
New license	288	226	218	253	110
Mining	65	78	73	87	13
Exploration	0	0	0	0	0
Tender	223	148	145	166	97
Extension of exploration license	231	657	273	75	17
Transfer	153	157	72	80	18
Mining	78	25	24	32	2
Exploration	75	132	48	48	16
Pledge	37	61	25	28	5
Mining	32	58	24	28	5
Exploration	5	3	1	0	0
Surrender	104	86	110	66	6
Mining	14	12	12	16	0
Exploration	90	74	98	50	6

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

	2017	2018	2019	2020	2021.I-III
New license	151	85	130	90	27
Mining	77	61	59	55	12
Exploration	41	5	0	8	0
Tender	33	19	71	27	15
Surrendered	97	91	93	71	5
Mining	13	11	11	16	0
Exploration	84	80	82	55	5
Canceled	237	181	189	140	43
Mining	35	33	70	52	14
Exploration	202	148	119	88	29
Expired	176	209	199	133	32
Transferred	136	172	71	83	19
Mining	62	38	24	35	1
Exploration	74	134	47	48	18
Extended	162	566	300	68	27
Pledged	39	56	23	27	4
Mining	34	53	23	27	4
Exploration	5	3	0	0	0
Terminated pledges	39	27	31	28	4
Mining	38	26	30	28	4
Exploration	1	1	1	0	0
Re-issue of license documents	26	40	27	17	2
Mining	19	13	14	11	2
Exploration	7	27	13	6	0

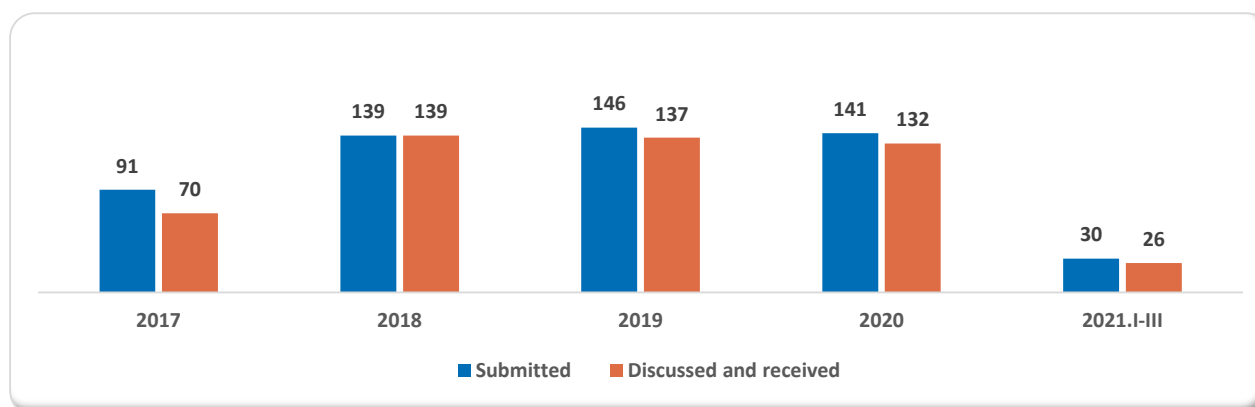
Source: Geology and Mining Cadastre Division, MRPAM

2.1. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, *by million MNT, type work and 2019-2020 (2021.IV.15)*

	2019		2020	
	Mln.MNT	Percent	Mln.MNT	Percent
TOTAL	141,542.1	100%	54,126.3	100%
Preparation	3,837.7	2.7%	1,280.0	2.4%
Mapping	2,119.2	1.5%	730.0	1.3%
Geological survey	2,498.3	1.8%	625.0	1.2%
Sampling	1,296.4	0.9%	532.0	1.0%
Geophysical work	10,252.5	7.2%	3,656.0	6.8%
Mining	7,600.0	5.4%	3,734.0	6.9%
Drilling	84,114.5	59.4%	30,738.0	56.8%
Indoor, laboratory investigation	4,887.6	3.5%	2,630.0	4.9%
Laboratory	13,472.0	9.5%	5,490.0	10.1%
Transport	7.0	0.0%	3.3	0.0%
Topogeodetic work	4,297.9	3.0%	1,775.0	3.3%
Hydrogeological work	1,329.7	0.9%	744.0	1.4%
Geocological survey	3,150.3	2.2%	1,050.0	1.9%
Archeology	522.0	0.4%	174.0	0.3%
Environment reclamation	459.5	0.3%	153.0	0.3%
Field sampling	494.8	0.3%	311.0	0.6%
Assume expenses	782.6	0.6%	261.0	0.5%
Other	420.1	0.3%	240.0	0.4%

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, 2021.I-III

	Deposit	Resource		
		Unit	Ore	Metal
Gold (rock)	4	ths.t/kg	141,020.2	55,754.5
Gold (placer)	6	kg	1,090.8	993.1
Iron		ths.t	1,366.2	
Iron	2	ths.t		373.1
Zinc		ths.t		3.2
Fluorspar	2	ths.t	93.1	39.1
Manganese	2	ths.t	766.0	97.1
Coal	3	mln.t		182.4
Limestone	2	ths.t		249,114.1
Aggregate stone	3	ths.t		31,417.8
Gypsum	1	ths.t		161.2
Mud	1	ths.m3		586.9
Sand gravel	2	ths.m4		1,381.7
Sand	1	ths.t		3,358.7
Shale	1	ths.m3		21,976.5
Marble	1	ths.m3		5,274.2
Petroleum	1	mln. barrel		1.0

Source: Geology and Exploration Division, MRPAM

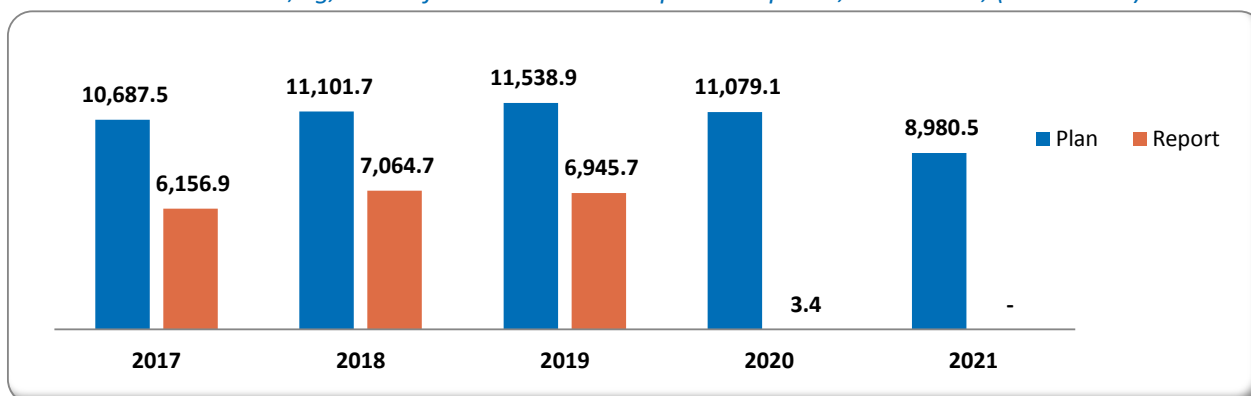
3 | MINING

3.1. MINERAL MINING ACTIVITY PLAN AND REPORT* OFFICIAL STATUS, 2017-2021, (2021.IV.06)

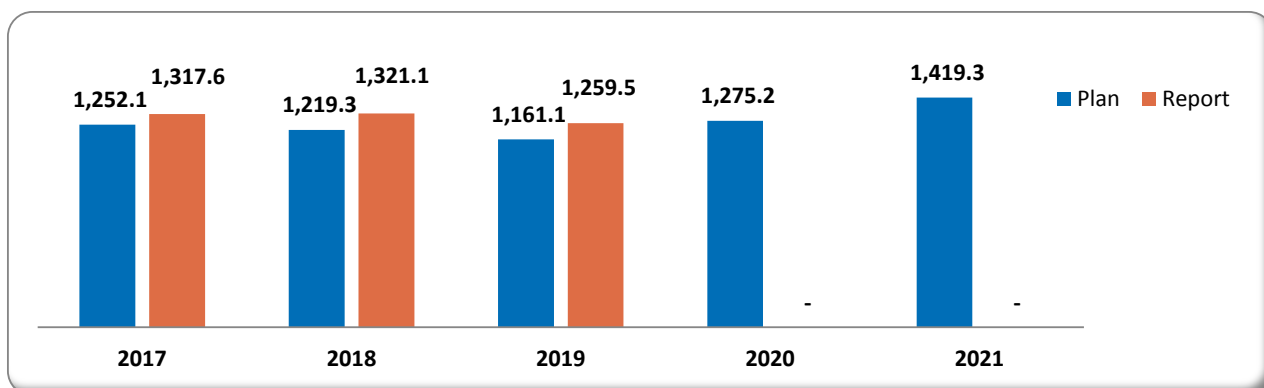
	Plan			Report		
	Submitted	Formal	Formal %	Submitted	Formal	Formal %
2017	476	416	87.4%	259	233	90.0%
2018	488	388	79.5%	277	258	93.1%
2019	515	420	81.6%	288	254	88.2%
2020	491	363	73.9%	247	12	4.9%
2021	439	251	57.2%	-	-	-

* Including coal

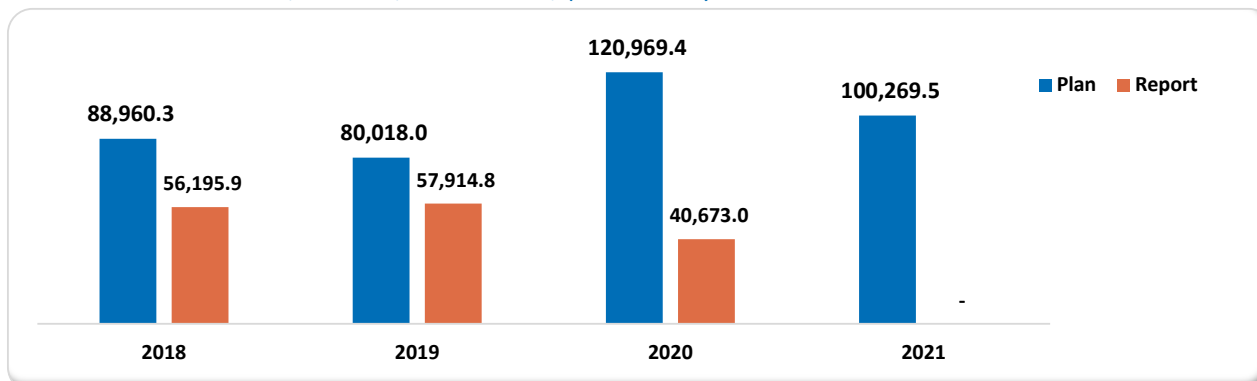
3.2. GOLD PRODUCTION, kg, mined from hard rock and placer deposits, 2017-2021, (2021.IV.06)



3.3. COPPER CONCENTRATE PRODUCTION, ths.tons, 2017-2021, (2021.IV.06)



3.4. COAL PRODUCTION, ths tons, 2018-2021, (2021.IV.06)



Source: Mining Research Division, MRPAM

3.5. MINERAL PRODUCTION, by mineral type, 2019-2021 (2021.IV.06)

	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	43,918.9	-
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	8,980.5	-
Gold (Amount of gold to be extracted from the hard rock)	kg	3,863.8	2,045.0	4,698.1	0.0	4,652.6	-
Gold (Amount of gold to be mined from placer deposits)	kg	7,675.1	4,900.7	6,381.0	3.4	4,327.9	-
Building materials							
Lime	ths.tons	114.7	55.6	245.6	0.0	111.8	-
Limestone	ths.tons	1,761.8	412.4	1,187.7	0.0	1,052.4	-
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	1,367.3	-
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	208.7	-
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	9,890.7	-
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	73,005.2	-
Iron	ths.tons	14,193.0	9,623.7	15,220.5	0.0	12,667.0	-
Whole iron concentrate	ths.tons	5,176.6	1,372.8	5,087.5	0.0	3,839.9	-
Iron powder concentrate	ths.tons	7,201.8	2,549.7	6,769.2	0.0	6,373.8	-
Iron ore	ths.tons	1,814.6	2,226.9	3,260.9	0.0	759.3	-
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	1,520.8	-
Fluorite concentrate AG-97	ths.tons	219.9	58.3	129.0	0.0	114.7	-
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	61.7	-
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	152.3	-
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	1,124.0	-
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	26.8	-
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	-
Coal production	ths.tons	80,018.0	57,914.8	120,969.4	40,673.0	100,269.5	-

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
		TOTAL	261	7,078.9	100%	1,927.6	100%
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%

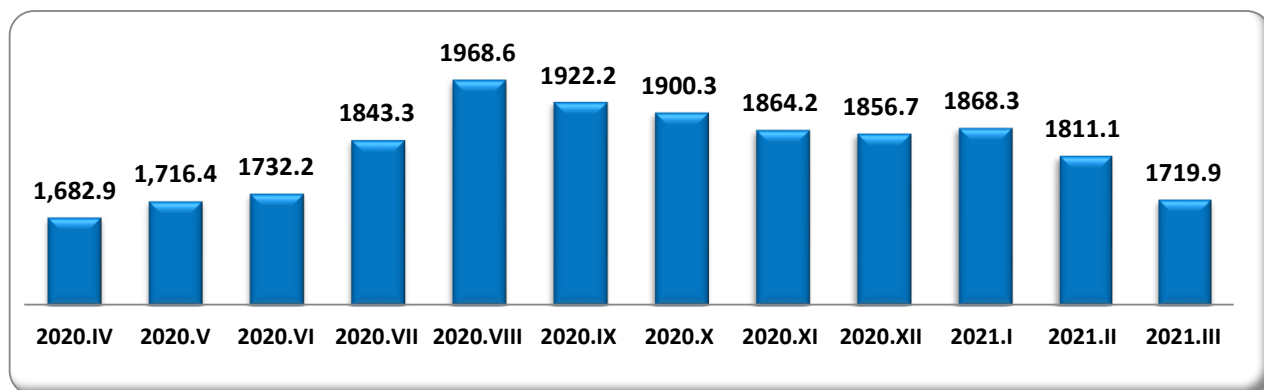
*Based on data from the 2019 Mining Report for Minerals Other than Common Minerals.

Source: Mining Production and Technology Division, MRPAM

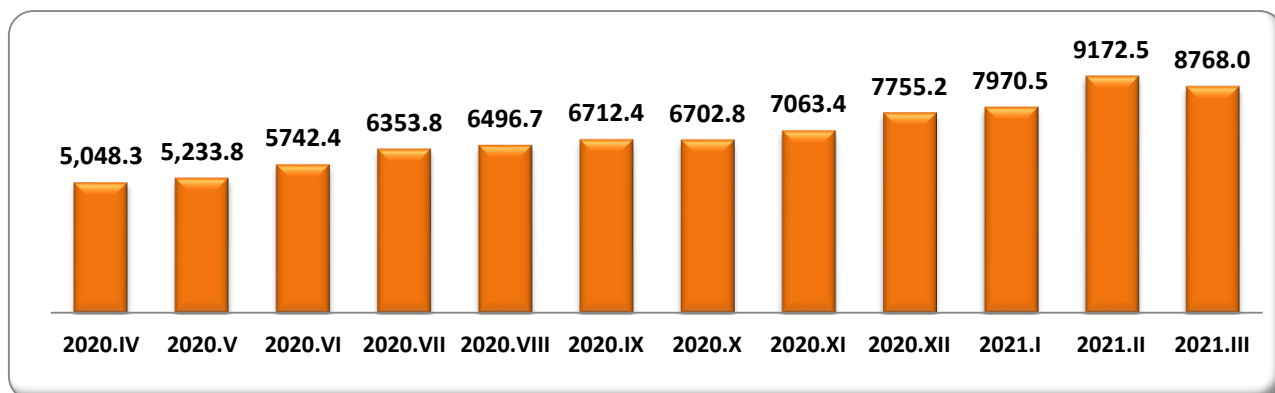
3.8. AVERAGE OF MINERAL PRICES ON THE WORLD MARKET, by 2020-2021

	Unit of measurement	2020	2020.II	2021.II	2021.III	<u>2021.III</u> <u>2020.III</u>	<u>2021.III</u> <u>2021.II</u>
Gold	\$/ounce	1,751.6	1,591.9	1,811.1	1,719.9	108.0%	95.0%
Silver	\$/ounce	19.7	14.9	27.4	25.6	171.7%	93.6%
Copper	\$/tons	5,920.3	5,178.4	9,172.5	8,768.0	169.3%	95.6%
Zinc	\$/tons	2,172.1	1,905.3	2,788.5	2,791.7	146.5%	100.1%
Blue lead	\$/tons	1,798.2	1,744.1	2,075.0	1,960.8	112.4%	94.5%
Tin	\$/tons	16,730.3	15,315.1	24,505.0	27,396.3	178.9%	111.8%
Molybdenum	\$/tons	18,925.5	19,495.9	26,257.0	25,949.3	133.1%	98.8%
Manganese 36%	\$/tons	202.7	178.4	195.1	192.4	107.8%	98.6%
Tungsten, 99%	\$/tons	31,217.0	33,650.0	33,000.0	34,980.0	104.0%	106.0%
Tungsten, 65%	\$/tons	11,972.7	12,481.2	14,165.5	14,612.2	117.1%	103.2%
Iron ore 56%	\$/tons	79.4	70.3	131.6	132.9	189.2%	101.0%
Iron ore 60% concentrate	\$/tons	91.7	79.8	155.5	153.8	192.7%	98.9%
Fluorite concentrate AG-97	\$/tons	375.0	385.0	355.0	325.0	84.4%	91.5%
Fluorite ore MG-85	\$/tons	300.0	300.0	300.0	300.0	100.0%	100.0%
Uranium	\$/kg	66.1	60.3	61.7	68.2	113.2%	110.6%
Coking coal	\$/tons	119.1	38.9	148.6	139.5	358.6%	93.9%
Thermal coal	\$/tons	40.3	131.0	46.5	44.9	34.3%	96.6%

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

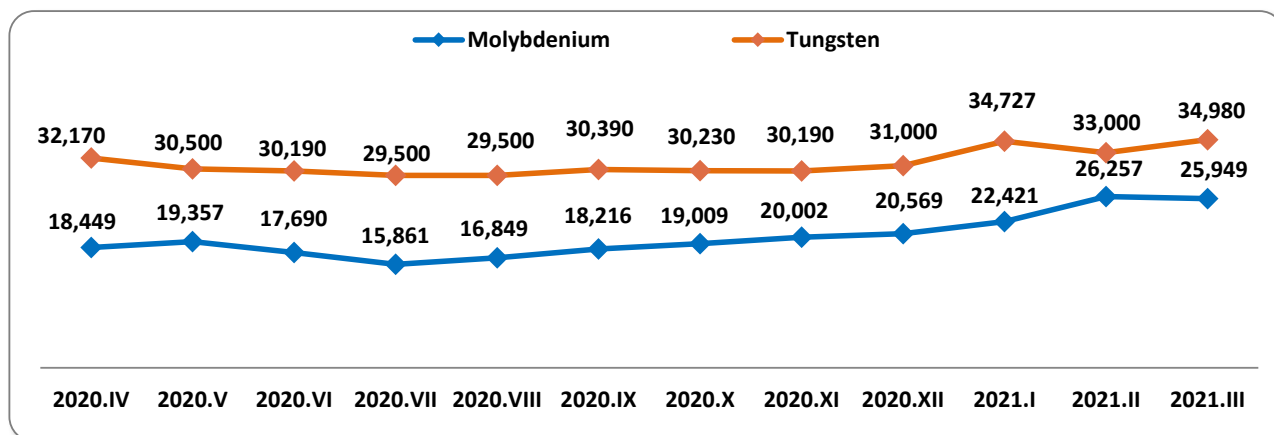


3.10. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons and last 12 months

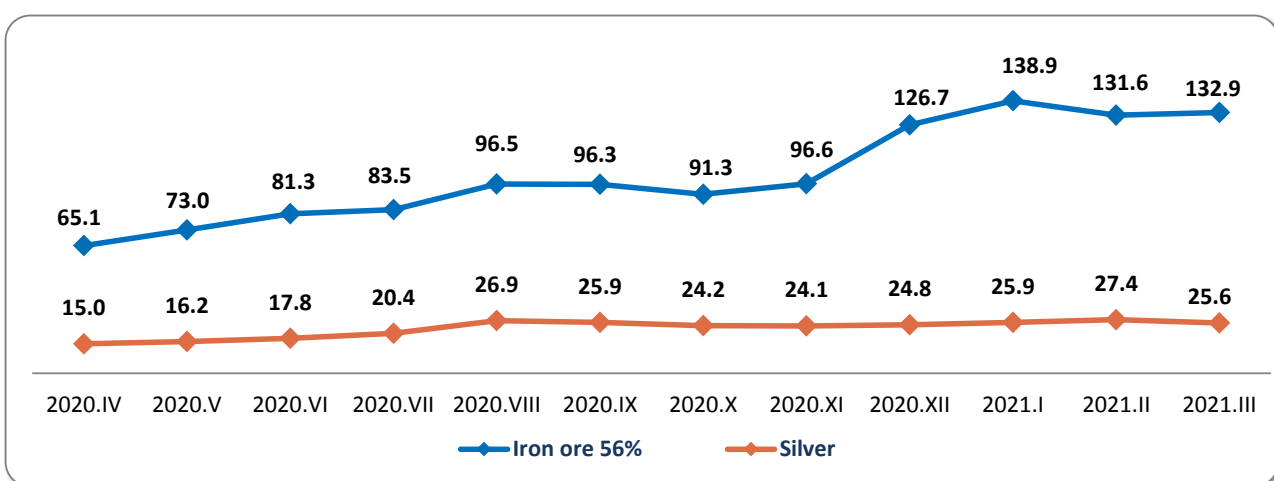


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

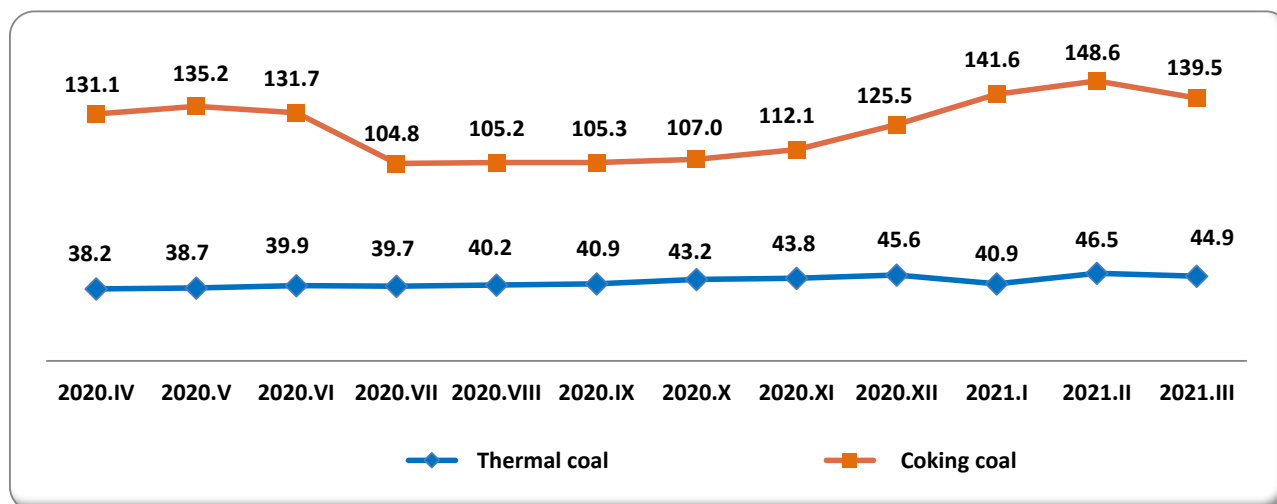
3.11. AVERAGE PRICE OF TIN, MOLYBDENUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons and last 12 months



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, 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, by 2020-2021

	Stock exchange	Symbol	Currency	Average price						Market value /2021.IV. 01/
				2020	2020.III	2021.II	2021.III	<u>2010.III</u> 2020.III	<u>2021.III</u> 2021.II	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	2.960	0.423	14.82	15.89	3757%	107.2%	3.249B
Peabody Energy Corporation	NYQ	BTU	USD	3.53	3.655	4.17	3.56	97.4%	85.4%	300.875M
Rio Tinto plc	LSE	RIO.L	GBp	4,394.8	3,472.0	6,148.0	5,707.8	164.4%	92.8%	89.848B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.72	0.261	1.24	1.13	433%	91.1%	214.464M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.5	0.373	2.9	2.17	582%	74.8%	1.935B
South Gobi Resources Ltd.	HKG	1878.HK	HKD	0.63	0.685		1.380	-	-	1.305B
Centerra Gold Inc.	TOR	CG.TO	CAD	12.85	8.559	13.73	11.980	140.0%	87.3%	3.29B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.35	0.183	0.43	0.39	213.1%	90.7%	95.3M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.4	0.28	0.625	0.71	253.6%	113.6%	139.442M
Silver Elephant Mining Corp.	TOR	ELEF.TO	CAD	0.34	-	0.45	0.4	-	88.9%	78.211M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.78	0.786	2.42	2.31	293.9%	95.5%	146.622M
Kincora Copper Limited	VAN	KCC.V	CAD	0.09	0.037	0.23	0.26	702.7%	113.0%	17.324M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.11	-	0.2	0.16	-	80.0%	12.739M
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.04	0.028	0.04	0.056	200%	140.0%	78.612M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.08	0.069	0.1	0.098	142.0%	98.0%	48.226M
Haranga Resources Limited	ASX	HAR.AX	AUD	-	-	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.05	0.05	-	0.045	-	-	17.393M
TerraCom Limited	ASX	TER.AX	AUD	0.17	-	0.14	0.09	-	64.3%	60.289M
Viking Mines Limited	ASX	VKA.AX	AUD	0.01	-	0.045	0.041	-	91.1%	37.316M
Banpu Public Company Limited	SET	BANPU.BK	THB	7.23	5.689	11.48	11.63	-	101.3%	63.94B
Petro Matad Limited	LSE	MATD.L	GBp	2.78	2.467	3.25	2.98	120.8%	91.7%	18.398M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	-	-	-	-	-	-	-
Elixir Energy Limited	ASX	EXR.AX	AUD	0.12	-	0.189	0.299	-	158.2%	283.903M

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

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

	Symbol	Average price					
		2020	2020.III	2021.II	2021.III	<u>2021.III</u> 2020.III	<u>2021.III</u> 2021.II
Tavantolgoi	TTL	5,851	6,487	7,579	7,514	115.8%	99.1%
Baganuur	BAN	960	962	1,079	1,011	105.1%	93.8%
Shivee-Ovoo	SHV	1,962	1,962	1,793	1,731	88.2%	96.5%
Aduunchuluun	ADL	1,055	1,046	954	954	91.2%	100.0%
Shariin Gol	SHG	990	1,126	894	901	80.0%	100.8%
Erdene Resource Development Corporation	ERDN	716	510	977	955	187.3%	97.8%
Mogoin gol	BDL	7,768	8,650	7,983	8,478	98.0%	106.2%
Bayanteeg	BTG	25,934	26,750	22,100	22,750	85.0%	102.9%
Berkh-Uul	BEU	558	-	907	1,741	-	192.0%
Khar Tarvagatai	TVT	4,674	4,500	4,750	-	-	-
Taliin Gal	TAL	18	-	-	-	-	-
Mongol Basalt	MBW	210	227	179	179	78.8%	100.1%
Mongol Ceramic	KEK	16,500	-	-	-	-	-
Silikat	SIL	47	-	33	39	-	118.9%
Songolon barmat	SSG	1,086	-	-	2,042	-	-
Remicon	RMC	27	26	23	27	103.8%	118.4%
Arig Tal	EER	2,815	3,143	2,575	2,511	79.9%	97.5%
Niislel-Urguu	NUR	2,327	-	2,874	3,006	-	104.6%
Erchim Bayan-Ulgii	BOE	-	-	-	-	-	-
Khukh Gan	HGN	72	80	76	85	106.1%	111.3%
Nako Tulsh	NKT	28	-	-	24	-	-

Source: www.mse.mn

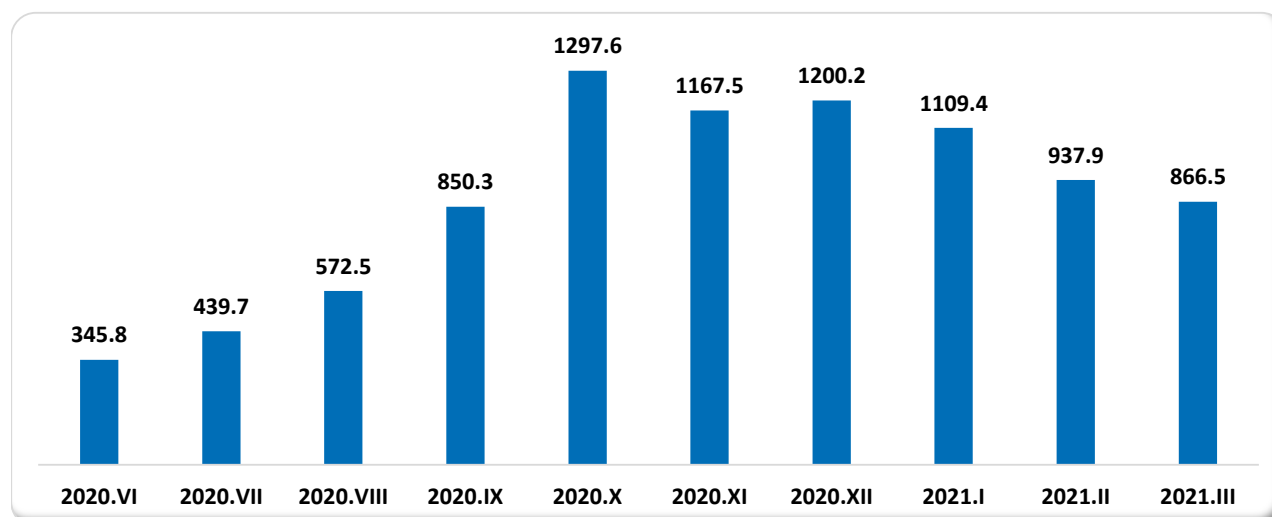
3.16. STRIPING, COAL PRODUCTION, SALE AND EXPORT, by 2016-2021

	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-III	69,519.2	12,822.1	11,328.4	8,414.6

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

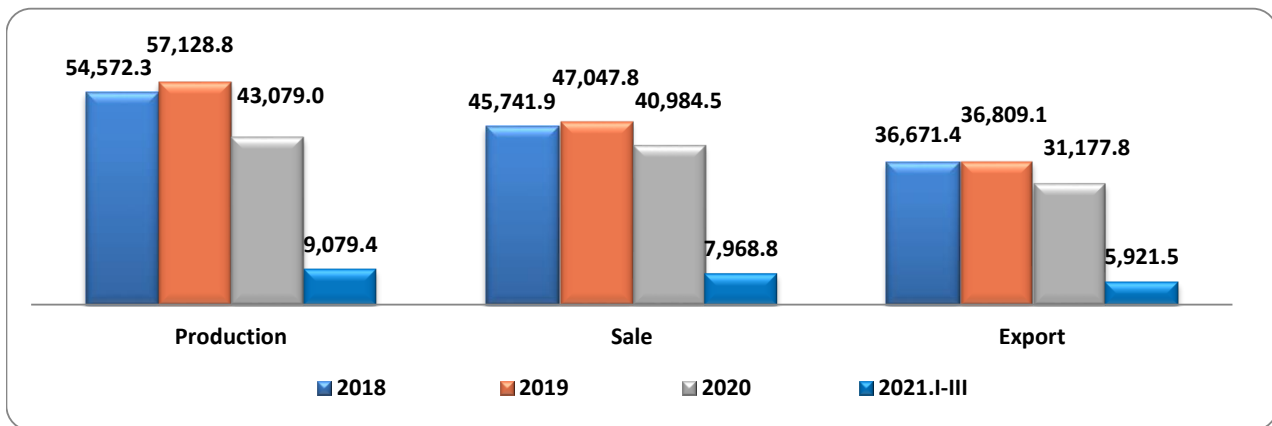
	TOTAL	Export	Local
БҮГД	11,328.4	8,414.6	2,913.8
Washed coking coal	1,091.1	1,091.1	0.0
Raw coking coal	4,680.8	4,680.8	0.0
Weak coking coal	1,670.7	1,670.7	0.0
Thermal coal	972.0	972.0	0.0
Brown coal	2,913.8	0.0	2,913.8

3.18. COAL LOCAL 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
2020	43,079.0	40,984.5	31,177.8
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
2021.I-III	12,822.1	11,328.4	8,414.6
2021.I	4,877.2	4,394.7	3,285.4
2021.II	4,202.2	3,574.1	2,636.1
2021.III	3,742.7	3,359.6	2,493.1
2021.III 2020.III	248.5%	254.4%	389.2%
2021.I-III 2020.I-III	171.9%	205.3%	271.9%

Source: Coal Research Division, MRPAM

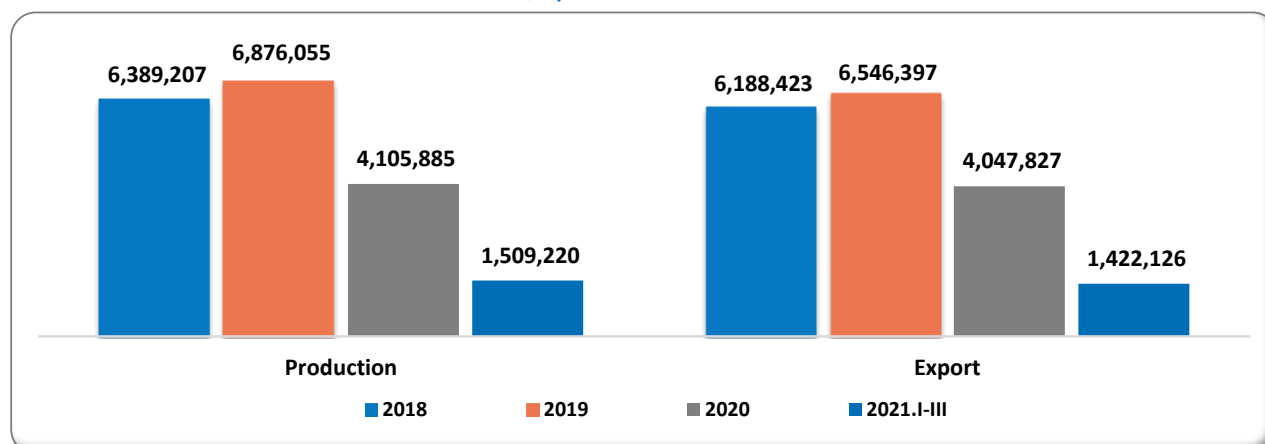
3.21. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, 2021.///

Type of coal	Classification	Border name	Deposit name	Gelification index	Volatile matter	Ash	Sulfur value	Total moisture	Calorific value	
				GI	V ^{daf} %	A ^d %	S _t ^d %	W ^t %	Q ^{ar} kcal/kg	
Raw coal	<i>Coal</i>									
	Coking	Khangi	Erdenes tavan tolgoi	96.9	28.7	16.6	1.1	4.6	6907	
		Gashuun sukhait	Erdenes tavan tolgoi	78.5	27.7	17.0	0.9	1.3	7138	
			Tavan tolgoi	83.2	28.5	14.9	1.2	3.1	6685	
	Weak coking	Khangi	Dadiin har tolgoi	74.9	45.9	10.8	0.5	5.4	7135	
		Gashuun sukhait	Tavan tolgoi	68.9	34.0	17.6	1.5	3.2	6740	
		Zamiin Uud	Mogoin gol	99.6	31.9	20.3	1.3	4.7	6916	
		Shivee khuren	Baruun noyon	85.5	34.5	14.1	0.5	2.0	7012	
			Khuren shand	82.9	36.3	6.5	1.0	8.8	6509	
	Non coking	Khangi	-	-	-	-	-	-	-	
		Gashuun sukhait	Erdenes tavan tolgoi	0.0	29.2	18.5	1.3	6.9	6642	
		Shivee khuren	Khuren shand	21.8	35.3	23.2	0.6	5.5	5682	
			Baruun noyon	0.0	31.0	14.7	0.4	10.0	6472	
			MAK	0.0	42.7	25.3	1.1	21.9	3884	
	<i>Washed coal</i>									
	Coking	Gashuun sukhait	Ukhaa khudag	93.2	24.8	10.0	0.7	10.2	6190	
		Khangi	Ail bayan	-	-	-	-	-	-	
		Yarant	Tefis mining /Huut/	89.9	26.6	17.1	0.7	3.8	7187	
			Mo En Ko	77.3	21.5	20.4	0.6	2.1	7409	
	Weak coking	Gashuun sukhait	Baruun naran	94.6	36.2	8.7	0.9	7.9	6962	
Shivee khuren		-	-	-	-	-	-	-		
Coke, semi-coke	Gashuun sukhait	Tavan tolgoi trans	-	-	-	-	-	-		
Other	Zamiin uud	Dalan	0	16.7	17.8	1.0	2	6230		
		Friend ship	0	43.0	34.9	1.7	4.38	4894		
		Achir /Alag togoo/	0	32.3	17.9	1.2	13.2	5632		
		Alag togoo	0	42.4	18.7	1.1	9.8	5593		
		Gantig house	0	28.0	13.2	0.9	6.37	5607		
		Goviin shandast huleg	0	43.6	25.4	1.6	15.19	5339		
		Khuut /Huuchin and/	0	45.9	31.7	1.0	11.2	3711		
		Khuut big mogul	0	45.0	15.7	0.8	16	4814		
	Bichigt	Khuut buman olz	0	21.3	21.3	0.8	1.6	6342		
Coal	Zamiin Uud	Tsaidam nuur	0	50.2	11.1	1.1	37.2	2817		
		Khovil	0	51.1	12.5	2.6	41.4	3189		
	Bichigt	Bayantogt	0	48.3	9.2	1.4	17.73	4510		
		Erdeniin bosgo	0	56.7	33.7	2.1	28.2	2934		

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

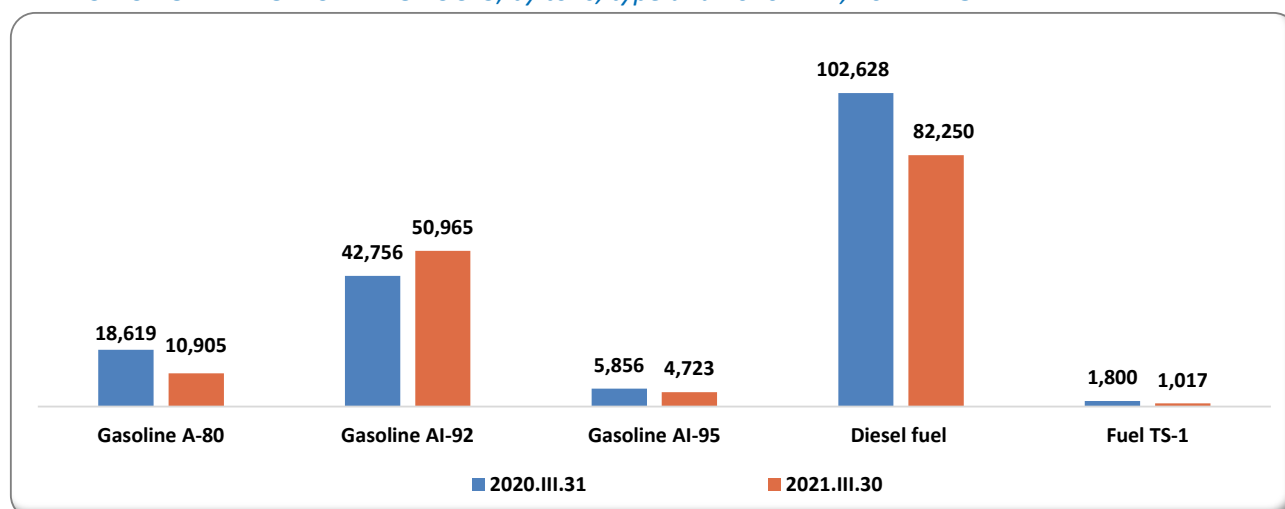
	Production		Export	
	Barrel	Percent	Barrel	Percent
2020	4,105,885	100%	4,047,827	100%
2020.I	375,848	9.2%	287,708	7.1%
2020.II	45,511	1.1%	-	-
2020.III	40,234	1.0%	34,584	0.9%
2020.IV	97,679	2.4%	165,747	4.1%
2020.V	210,549	5.1%	175,757	4.3%
2020.VI	258,256	6.3%	287,313	7.1%
2020.VII	352,651	8.6%	331,286	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%
2021.I-III	1,509,220	100.0%	1,422,126	100.0%
2021.I	528,384	35.0%	519,260	36.5%
2021.II	469,647	31.1%	435,559	30.6%
2021.III	511,189	33.9%	467,307	32.9%
2021.III 2020.III	1270.5%	-	1351.2%	-
2021.I-III 2020.I-III	327.0%	-	441.3%	-

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
2019	2,004,172	70,559	468,824	23,357	1,191	1,118,417	46,621	41,120	234,082
2020	1,991,167	57,597	522,558	29,861	1,068	1,049,894	24,994	25,809	279,385
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
2021.I-III	440,058	12,098	96,818	3,357	414	260,823	12,737	2,250	51,562
2021.I	165,861	3,434	42,658	1,055	169	103,943	3,587	1,403	9,612
2021.II	121,367	3,511	25,866	1,316	61	74,722	3,113	470	12,308
2021.III	152,830	5,152	28,294	986	183	82,158	6,037	377	29,642
2021.III 2020.III	147.8%	161.8%	88.7%	47.4%	335.8%	202.1%	388.1%	763.6%	123.7%
2021.I-III 2020.I-III	107.7%	95.5%	92.8%	43.3%	135.8%	124.2%	163.5%	32.8%	87.8%

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
2020/04/07	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
2021/03/02	60.27	59.81	63.09	62.84
2021/03/09	64.73	64.01	68.13	67.52
2021/03/16	65.96	65.61	68.13	67.52
2021/03/23	61.30	61.09	64.29	64.10
2021/03/30	62.02	61.80	65.32	65.03
2021.III.30	100.6%	99.7%	101.1%	100.4%
2021.II.23				
2021.III.30	306.6%	301.8%	284.0%	286.0%
2020.III.31				

Source: www.wtrg.com, www.bloomberg.com, www.reuters.com, www.topoilnews.com, www.oil.in-en.com, www.nymex.com, www.finmarket.ru, www.ineng.org, www.quandl.com.

4.6.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, provinces and 2021.II.23, 2021.III.30

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2021.II.23	2021.III.30	2021.III.30 2021.II.23	2021.II.23	2021.III.30	2021.III.30 2021.II.23	2021.II.23	2021.III.30	2021.III.30 2021.II.23	2021.II.23	2021.III.30	2021.III.30 2021.II.23
NATIONAL AVERAGE PRICE	1,492	1,505	100.9%	1,560	1,563	100.2%	2,174	2,183	100.4%	2,112	2,123	100.5%
Ulaanbaatar	1400-1450	1400-1450	100.0%	1450-1470	1450-1470	100.0%	2100-2110	2100-2110	100.0%	2190-2200	2190-2200	100.0%
Western region	1,540	1,578	102.5%	1,630	1,646	101.0%	-	-	-	1,974	1,974	100.0%
Bayan-Ulgii	1,450	1,530	105.5%	1,520	1,600	105.3%	-	-	-	1,600	1,700	106.3%
Govi-Altai	1,560	1,600	102.6%	1,630	1,630	100.0%	-	-	-	2,170	2,170	100.0%
Zavkhan	1,620	1,690	104.3%	1,720	1,720	100.0%	-	-	-	2,150	2,150	100.0%
Uvs	1,520	1,520	100.0%	1,630	1,630	100.0%	-	-	-	2,050	1,950	95.1%
Hovd	1,550	1,550	100.0%	1,650	1,650	100.0%	-	-	-	1,900	1,900	100.0%
Hangai region	1,450	1,479	102.0%	1,519	1,514	99.7%	2,198	2,198	100.0%	2,147	2,147	100.0%
Arkhangai	1,450	1,500	103.4%	1,530	1,530	100.0%	2,240	2,240	100.0%	2,200	2,200	100.0%
Bayankhongor	1,460	1,530	104.8%	1,560	1,560	100.0%	-	-	-	2,100	2,100	100.0%
Bulgan	1,440	1,460	101.4%	1,490	1,490	100.0%	2,190	2,190	100.0%	2,180	2,180	100.0%
Uvurkhangai	1,450	1,470	101.4%	1,530	1,500	98.0%	2,240	2,240	100.0%	2,100	2,100	100.0%
Orkhon	1,440	1,420	98.6%	1,490	1,490	100.0%	2,190	2,190	100.0%	2,160	2,160	100.0%
Selenge	1,400	1,440	102.9%	1,470	1,470	100.0%	2,130	2,130	100.0%	2,190	2,190	100.0%
Khuvsgul	1,510	1,530	101.3%	1,560	1,560	100.0%	2,200	2,200	100.0%	2,100	2,100	100.0%
Central region	1,463	1,485	101.5%	1,523	1,523	100.0%	2,125	2,150	101.2%	2,153	2,178	101.2%
Tuv	1,430	1,430	100.0%	1,470	1,470	100.0%	2,120	2,120	100.0%	2,090	2,090	100.0%
Darkhan	1,400	1,400	100.0%	1,470	1,470	100.0%	2,120	2,120	100.0%	2,160	2,160	100.0%
Govisumber	1,440	1,480	102.8%	1,510	1,510	100.0%	2,050	2,150	104.9%	2,090	2,190	104.8%
Dundgovi	1,500	1,530	102.0%	1,560	1,560	100.0%	2,160	2,160	100.0%	2,230	2,230	100.0%
Dornogovi	1,430	1,520	106.3%	1,550	1,550	100.0%	2,100	2,150	102.4%	2,100	2,200	104.8%
Umnugovi	1,580	1,550	98.1%	1,580	1,580	100.0%	2,200	2,200	100.0%	2,250	2,200	97.8%
Eastern region	1,513	1,547	102.2%	1,570	1,577	100.4%	2,200	2,200	100.0%	2,173	2,173	100.0%
Dornod	1,520	1,550	102.0%	1,560	1,580	101.3%	2,200	2,200	100.0%	2,100	2,100	100.0%
Sukhbaatar	1,550	1,570	101.3%	1,600	1,600	100.0%	2,250	2,250	100.0%	2,320	2,320	100.0%
Khentii	1,470	1,520	103.4%	1,550	1,550	100.0%	2,150	2,150	100.0%	2,100	2,100	100.0%

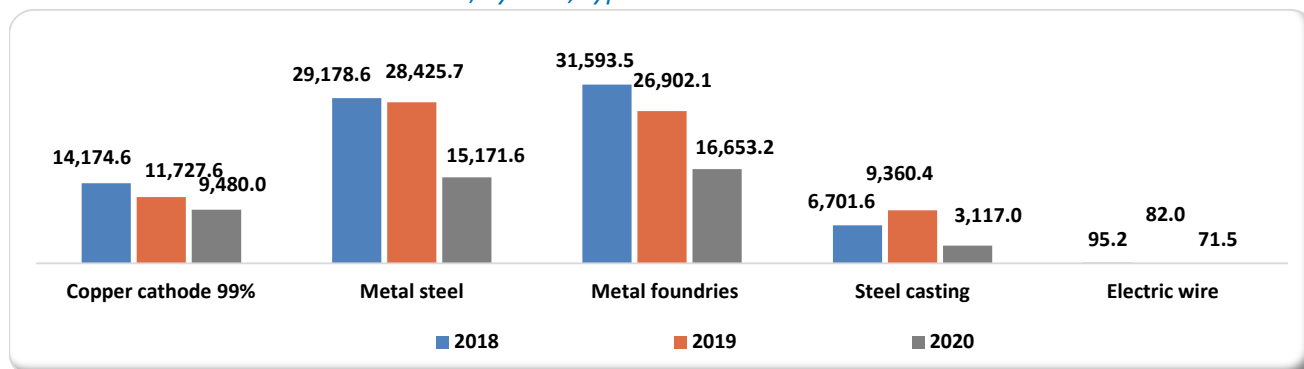
Source: Petroleum Products Division, MRPAM

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
2021.III.30	1505	1563	2183	2123
2021.III.30 2021.II.23	100.9%	100.2%	100.4%	100.5%
2021.III.30 2020.III.31	84.3%	83.9%	99.4%	84.4%
2021.III.30 2019.III.26	85.4%	85.9%	99.0%	90.4%

Source: Petroleum Products Division, MRPAM

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

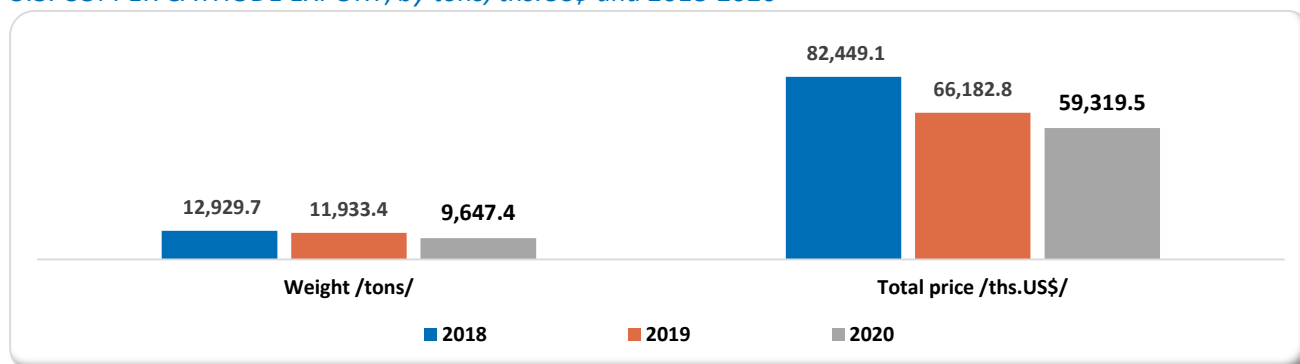


5.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type and months, 2019-2020

	Copper cathode 99%	Metal steel	Metal foundries	Steel casting	Electric wire
2019	11,727.6	28,425.7	26,902.1	9,360.4	82.0
2019.I	1,236.5	3,520.6	3,624.9	386.7	9.2
2019.II	1,020.9	3,675.9	3,932.0	311.6	7.7
2019.III	1,038.7	624.2	-	496.3	9.1
2019.IV	1,031.9	2,035.8	1,704.1	998.1	13.1
2019.V	1,076.5	3,661.9	4,096.0	1,179.9	6.9
2019.VI	884.4	2,540.7	3,072.4	859.1	6.1
2019.VII	986.3	3,191.9	2,242.1	226.8	4.0
2019.VIII	931.4	805.1	1,603.0	1,052.9	-
2019.IX	743.7	1,695.9	3,312.2	1,092.5	7.0
2019.X	933.7	2,126.0	-	978.9	13.4
2019.XI	912.3	2,116.4	-	942.1	4.7
2019.XII	931.3	2,431.3	3,315.4	835.5	0.8
2020	9,480.0	15,171.6	16,653.2	3,117.0	71.5
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	-
2020.XII	98.8%	0.2%	-	45.24%	29.8%
2019.XII					
2020	80.8%	53.4%	61.9%	33.3%	87.2%
2019					

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
2019	11,933.4	100%	66,182.8	100%
2019.I	760.0	6.4%	4,381.0	6.6%
2019.II	761.0	6.4%	4,518.5	6.8%
2019.III	760.8	6.4%	4,769.4	7.2%
2019.IV	760.5	6.4%	4,779.7	7.2%
2019.V	760.7	6.4%	4,564.4	6.9%
2019.VI	761.0	6.4%	4,312.7	6.5%
2019.VII	560.7	4.7%	530.8	0.8%
2019.VIII	1,161.7	9.7%	6,450.5	9.7%
2019.IX	1,161.2	9.7%	6,395.5	9.7%
2019.X	1,161.2	9.7%	6,397.5	9.7%
2019.XI	1,362.0	11.4%	7,714.2	11.7%
2019.XII	1,962.6	16.4%	11,368.6	17.2%
2020	9,647.4	100%	59,319.5	100%
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%
2020.XII	169.3%	-	218.1%	-
2020	112.1%	-	89.6%	-

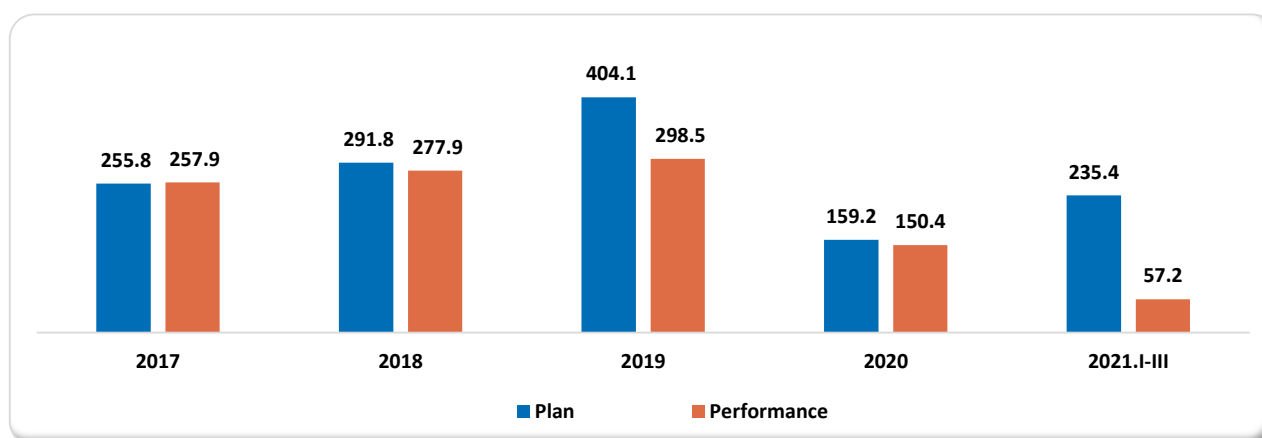
Source: Heavy Industry Research, Technical and Technological Division, MRPAM

6 | STATE BUDGET REVENUE

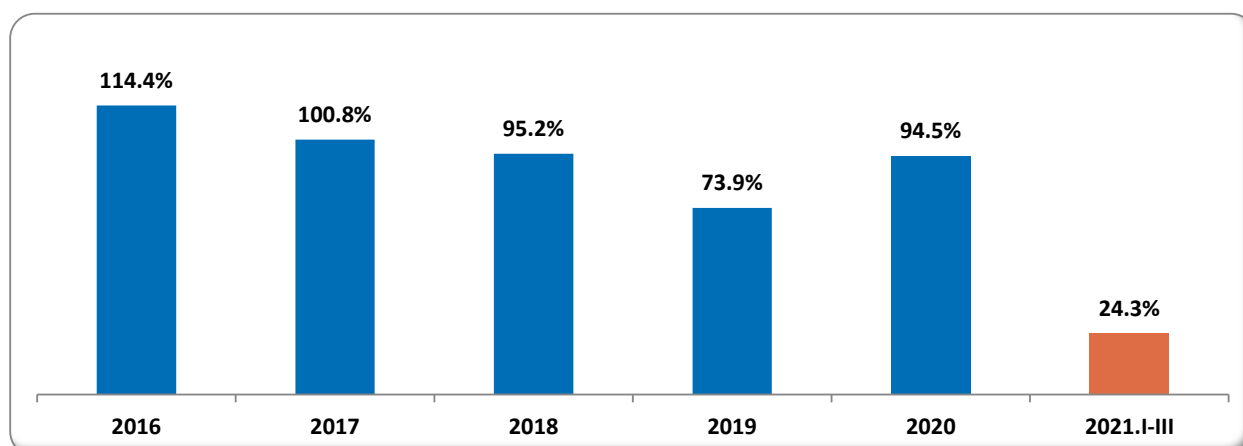
6.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by million.MNT, income type and 2021

	Plan of 2021	2021.I-III	
		Performance	Performance rate
TOTAL	235,400.0	57,177.5	24.3%
License fee	31,200.0	5,622.3	18.0%
Reimbursement	2,500.0	247.1	9.9%
Petroleum export revenue	183,200.0	46,592.5	25.4%
Service revenue (petroleum)	873.9	693.7	79.4%
Service revenue (mineral resources)	1,626.1	503.6	31.0%
Tender revenue	16,000.0	3,518.3	22.0%

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



This bulletin is updated monthly and published on the Mineral Resources and Petroleum Authority's website www.mrpam.gov.mn



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