

IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS

2019/06



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A | KEY INDICATORS

Valid mining and exploration licenses **2945** (2019.VII.03)

Valid licensed area size **8,1 mln.ha** (2019.VII.03)

Percent of total licensed area in Mongolia's territory **5.2%** (2019.VII.03)

Average price of gold on the world market **1359.0** US\$/ounce (2019.VI)

Average price of copper on the world market **5868.0** US\$/tons (2019.VI)

Average price of thermal coal on the world market **30.5** US\$/tons (2019.VI)

Average price of coking coal on the world market **143.8** US\$/tons (2019.VI)

Coal production **27758.2** thousand tons (2019.I-VI)

Coal sale **23388.9** thousand tons (2019.I-VI)

Coal export **18673.1** thousand tons (2019.I-VI)

Petroleum production **3361315** barrel (2019.I-VI)

Petroleum export **3167318** barrel (2019.I-VI)

Petroleum import **943985** tons (2019.I-VI)

Gasoline A-80 national average price **1874** MNT (2019.VI.25)

Gasoline AI-92 national average price **1968** MNT (2019.VI.25)

Gasoline AI-95 national average price **2397** MNT (2019.VI.25)

Diesel fuel national average price **2435** MNT (2019.VI.25)

Copper cathode 99% production **6288,9** tons (2019.I-VI)

Metal steel production **16059,1** tons (2019.I-VI)

Metal foundries production **16429,4** tons (2019.I-VI)

Steel casting production **4231,7** tons (2019.I-VI)

Electric wire production **52,1** tons (2019.I-VI)

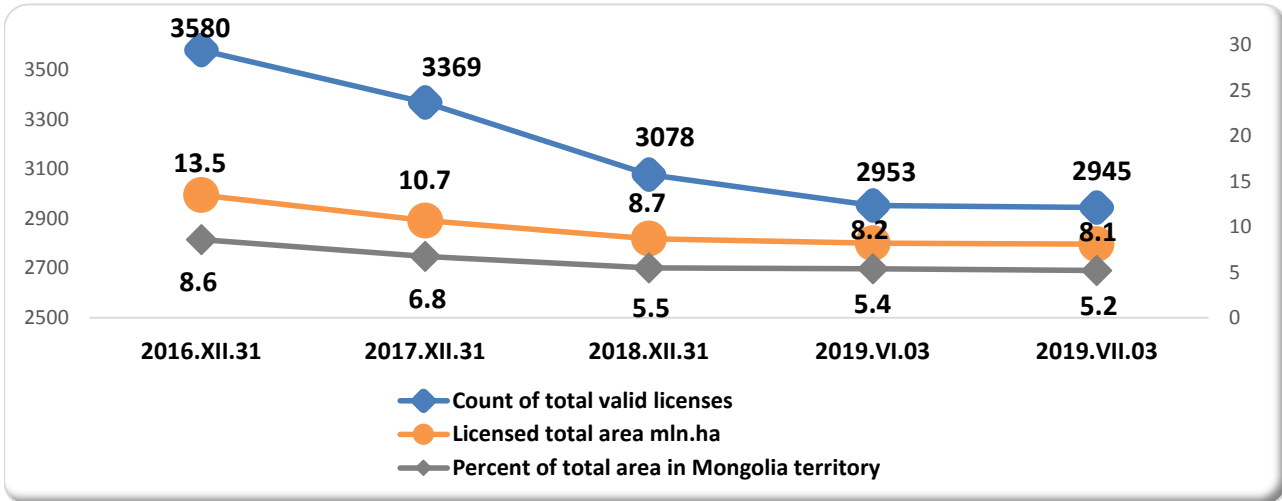
Performance rate of MRPAM's budget revenue **35,5%** (2019.I-VI)

1.1. COUNT OF VALID LICENSES AND AREA SIZE, by provinces, 2019.VII.03

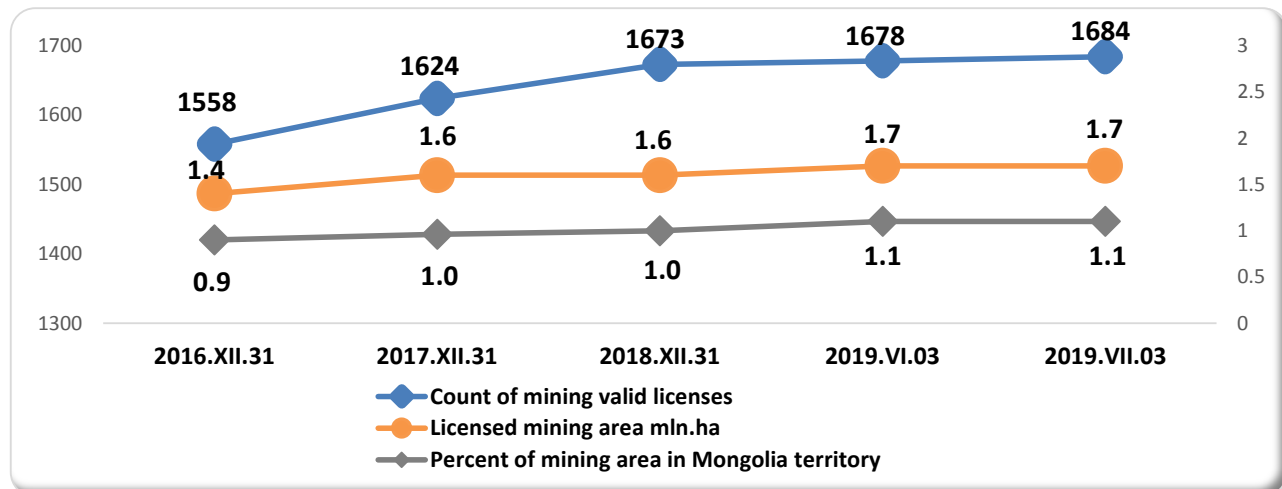
	TOTAL			Of which:					
	Count of Licenses	Area size /ths.ha/	Percent of total territory	Mining			Exploration		
				Count of Licenses	Area size /ths.ha/	Percent of total territory	Count of Licenses	Area size /ths.ha/	Percent of total territory
TOTAL	2945	8,135.3	5.2%	1684	1,686.9	1.1%	1261	6,448.4	4.1%
Arkhangai	35	70.0	1.3%	27	13.0	0.2%	8	56.9	1.0%
Bayan-Ulgii	66	165.6	3.6%	28	15.4	0.3%	38	150.3	3.3%
Bayankhongor	160	411.4	3.6%	90	103.8	0.9%	70	307.5	2.7%
Bulgan	107	128.9	2.6%	72	35.6	0.7%	35	93.3	1.9%
Uvurkhangai	50	138.0	2.2%	29	15.7	0.2%	21	122.3	1.9%
Govi-Altai	155	768.3	5.4%	51	89.3	0.6%	104	679.0	4.8%
Govisumber	18	45.6	8.2%	13	38.9	7.0%	5	6.7	1.2%
Darkhan Uul	73	17.1	5.2%	62	7.6	2.3%	11	9.4	2.9%
Dornogovi	367	1,449.3	13.3%	183	230.6	2.1%	184	1,218.7	11.1%
Dornod	159	524.8	4.2%	75	63.1	0.5%	84	461.6	3.7%
Dundgovi	212	749.9	10.0%	103	177.9	2.4%	109	572.0	7.7%
Zavhan	59	302.3	3.7%	10	15.0	0.2%	49	287.3	3.5%
Umnugovi	205	1,306.2	7.9%	102	517.7	3.1%	103	788.5	4.8%
Orkhon	9	11.1	13.2%	9	11.1	13.2%	0	0.0	0.0%
Sukhbaatar	100	389.9	4.7%	63	49.2	0.6%	37	340.7	4.1%
Selenge	180	93.8	2.3%	143	42.8	1.0%	37	51.0	1.2%
Tuv	408	432.5	5.8%	299	150.7	2.0%	109	281.8	3.8%
Uvs	139	405.1	5.8%	49	21.4	0.3%	90	383.7	5.5%
Ulaanbaatar	171	13.6	2.9%	159	12.2	2.6%	12	1.4	0.3%
Khuvsgul	27	18.6	0.2%	21	10.3	0.1%	6	8.4	0.1%
Khovd	116	313.8	4.1%	35	14.0	0.2%	81	299.8	3.9%
Khentii	228	379.6	4.7%	119	51.7	0.6%	109	327.9	4.1%

Source: Cadastre Division, MRPAM

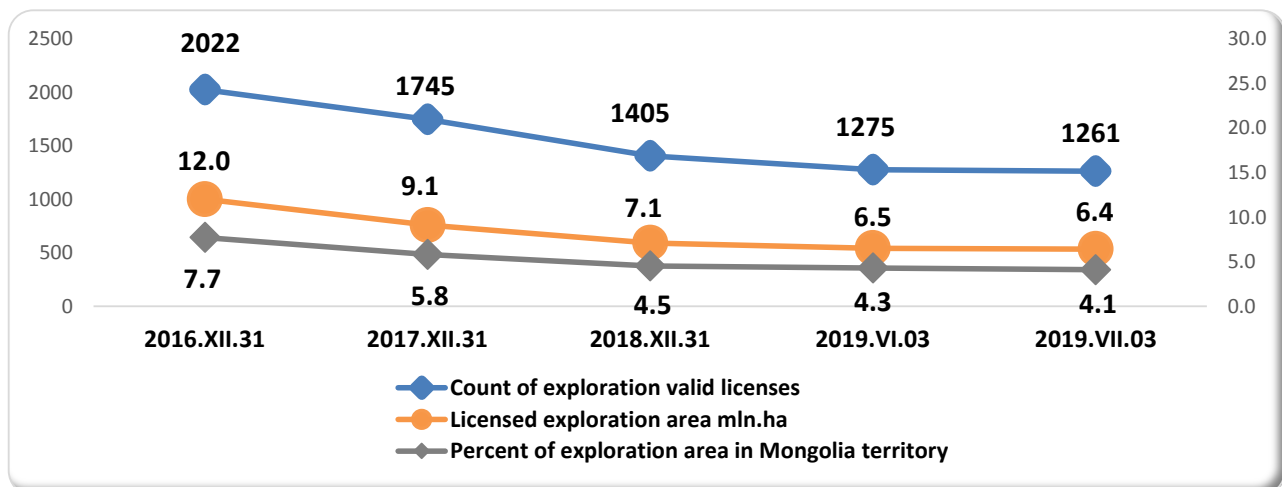
1.2. COUNT OF TOTAL VALID LICENSES, LICENSED TOTAL AREA AND PERCENT OF TOTAL AREA IN MONGOLIA'S TERRITORY, 2016-2019



1.3. COUNT OF VALID MINING LICENSES, MINING LICENSED AREA AND PERCENT OF TOTAL MINING AREA IN MONGOLIA'S TERRITORY, 2016-2019



1.4. COUNT OF VALID EXPLORATION LICENSES, EXPLORATION LICENSED AREA AND PERCENT OF TOTAL EXPLORATION AREA IN MONGOLIA'S TERRITORY, 2016-2019



Source: Cadastre Division, MRPAM

1.5. COUNT OF MINING LICENSE, by type of minerals, 2019.VII.03

Ашигт малтмалын төрөл	Mining license		Area size	
	Count	Percent	Hectare	Percent
TOTAL	1684	100%	1,686,866.1	100%
Coal	308	18.3%	868,118.4	51.5%
Gold	553	32.8%	238,550.7	14.1%
Copper	20	1.2%	88,746.4	5.3%
Gold, Copper	14	0.8%	85,749.4	5.1%
Uranium	7	0.4%	76,866.1	4.6%
Construction materials	110	6.5%	58,517.2	3.5%
Iron	71	4.2%	41,234.1	2.4%
Fluorite	183	10.9%	27,739.0	1.6%
Concentrated metal	12	0.7%	26,326.3	1.6%
Graphite	7	0.4%	23,893.9	1.4%
Continental / common mineral	203	12.1%	20,322.3	1.2%
Chromium	1	0.1%	15,805.8	0.9%
Molybdenum	7	0.4%	10,146.4	0.6%
Molybdenum, Copper	4	0.2%	9,342.5	0.6%
Tungsten	29	1.7%	8,741.8	0.5%
Manganese	4	0.2%	7,507.0	0.4%
Gold, Silver	2	0.1%	6,699.9	0.4%
Earth rare metal	8	0.5%	5,236.3	0.3%
Molybdenum, Gold, Copper	1	0.1%	5,236.0	0.3%
Gypsum	16	1.0%	5,199.1	0.3%
Lithium	1	0.1%	4,720.2	0.3%
Blue lead	9	0.5%	4,192.3	0.2%
Zinc	6	0.4%	4,057.3	0.2%
Gold, Concentrated metal	3	0.2%	3,578.5	0.2%
Polymetal	4	0.2%	3,269.2	0.2%
Copper, Zinc	1	0.1%	2,899.3	0.2%
Molybdenum, Tungsten	2	0.1%	2,862.3	0.2%
Silicium	2	0.1%	2,673.5	0.2%
Face stone	2	0.1%	2,618.6	0.2%
Wolfram, Tin	1	0.1%	2,316.2	0.1%
Gold, Silver, Concentrated metal	1	0.1%	2,007.4	0.1%
Tin	3	0.2%	1,812.1	0.1%
limestone	5	0.3%	1,792.4	0.1%
Molybdenum, Wolfram	1	0.1%	1,616.9	0.1%
Lanthanum, Cerium	1	0.1%	1,561.3	0.1%
Aluminium	3	0.2%	1,370.9	0.1%
Iron, Concentrated metal	1	0.1%	1,257.3	0.1%
Other	78	4.6%	12,282.2	0.7%

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, by mln.ha, overlap, 2019.VII.03

	Hectare	Percent of total territory
Valid mining licensed area	1.7	1.1%
Valid exploration licensed area	6.4	4.1%
State protected area	29.1	18.6%
Special purpose area	29.7	19.0%
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, 2019.VII.03

	Count of area		Area size	
	Count	Percent	Hectare	Percent
TOTAL	254	100%	1042.4	100%
Arkhangai	1	0.4%	4.8	0.5%
Bayan-Ulgii	2	0.8%	53.7	5.2%
Bayankhongor	55	21.7%	143.2	13.7%
Bulgan	29	11.4%	126.4	12.1%
Govi-Altai	1	0.4%	5.7	0.5%
Darkhan Uul	6	2.4%	16.6	1.6%
Dornogovi	12	4.7%	59.6	5.7%
Dornod	2	0.8%	26.2	2.5%
Dundgovi	10	3.9%	89.6	8.6%
Uvurkhangai	19	7.5%	35.0	3.4%
Umnugovi	20	7.9%	86.2	8.3%
Selenge	50	19.7%	209.3	20.1%
Tuv	12	4.7%	78.3	7.5%
Ulaanbaatar	5	2.0%	19.0	1.8%
Khovd	1	0.4%	5.3	0.5%
Khentii	29	11.4%	83.7	8.0%

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, 2019.VII.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	1808	2945	8,135,313.4	100%
Mongolian entities	1445	2292	5,890,825.4	72.6%
100% foreign entities	257	444	1,675,669.9	20.5%
Joint foreign entities	106	209	568,818.2	6.9%

1.9. ORIGIN OF LICENSE HOLDERS, by 100% foreign entities, 2019.VII.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	257	444	1,675,669.9	100%
China	131	170	403,852.4	24.10%
Virgin Islands	35	74	198,159.0	11.83%
Singapore	18	64	383,909.5	22.91%
Hong Kong	16	30	146,282.5	8.73%
Canada	12	28	271,100.2	16.18%
South Korea	10	15	34,093.7	2.03%
Australia	6	7	32,354.6	1.93%
Russia	4	5	6,716.0	0.40%
Holland	3	15	106,872.3	6.38%
Luxemburg	2	6	13,528.2	0.81%
United States of America	2	4	3,167.8	0.19%
Bermud	2	3	7,314.3	0.44%
Japan	2	3	3,015.1	0.18%
Germany	2	2	603.9	0.04%
Kazakhstan	1	1	136.5	0.01%
Russia, South Korea	1	1	118.2	0.01%
Malaysia	1	2	2,416.5	0.14%
New Zealand	1	2	153.5	0.01%
Russia, China	1	1	47.5	0.00%
United States of America, China	1	1	837.1	0.05%
Virgin Islands, Singapore	1	3	10,163.7	0.61%
Barbados	1	3	10,040.0	0.60%
Great Britain	1	1	450.6	0.03%
Bulgaria	1	1	3,700.9	0.22%
Ukraine	1	1	245.0	0.01%
Luxemburg, Seychelles	1	1	36,391.0	2.17%

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF LICENSE HOLDERS, by joint foreign entities, 2019.VII.03

	Holder	License	Area size	
	Count	Count	Hectare	Percent
TOTAL	106	209	568,818.2	100%
Mongolia, China	51	76	117,378.9	20.6%
Mongolia, South Korea	10	17	44,048.4	7.7%
Mongolia, Russia	7	8	1,034.2	0.2%
Mongolia, Virgin Islands	6	10	35,233.8	6.2%
Mongolia, Japan	5	50	152,323.8	26.8%
Mongolia, Czech Republic	4	7	52,526.3	9.2%
Mongolia, Singapore	4	9	40,826.1	7.2%
Mongolia, Germany	4	5	13,260.1	2.3%
Mongolia, Great Britain	2	4	12,989.7	2.3%
Mongolia, Canada	1	1	3,957.7	0.7%
Mongolia, Singapore, Hong Kong	1	1	1,469.5	0.3%
Mongolia, Poland	1	1	1,561.3	0.3%
Mongolia, Russia, Ukraine	1	1	46.9	0.0%
Mongolia, Hong Kong	1	6	13,737.6	2.4%
Mongolia, Canada, China	1	1	6,352.8	1.1%
Mongolia, Hong Kong, Japan	1	3	43,809.3	7.7%
Mongolia, Bulgaria	1	3	1,083.7	0.2%
Mongolia, United States of America, Virgin Islands, South Korea	1	1	3,766.7	0.7%
Macao, Mongolia, Hong Kong	1	2	18,260.9	3.2%
Kazakhstan, Mongolia	1	1	1,789.4	0.3%
Mongolia, Luxemburg	1	1	3,273.9	0.6%
Mongolia, Hungary	1	1	87.4	0.0%

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES BY BANK, NON-BANK FINANCIAL INSTITUTE, 2019.VII.03

	License		Area	
	Count	Percent	Hectare	Percent
TOTAL	246	100%	303236.1	100%
Trade and Development Bank	33	13.4%	44867.7	14.8%
Golomt Bank	31	12.6%	26989.8	8.9%
Development Bank of Mongolia	24	9.8%	16714.7	5.5%
Ulaanbaatar City Bank	18	7.3%	13365.5	4.4%
HAAN Bank	14	5.7%	2673.9	0.9%
Capital Bank	12	4.9%	1542.2	0.5%
XAC Bank	11	4.5%	2616.7	0.9%
Golomt, Saving, Zoos, Anod Banks	11	4.5%	80891.6	26.7%
Anod Bank	9	3.7%	7355.5	2.4%
Chinggis Khan Bank	8	3.3%	3247.7	1.1%
European Bank for Reconstruction and Development	7	2.8%	2658.5	0.9%
Capitronbank	5	2.0%	1431.0	0.5%
GSB capital BBSB	5	2.0%	10285.9	3.4%
State Bank	4	1.6%	570.6	0.2%
National Investment Bank	4	1.6%	1247.2	0.4%
Transport Development bank	3	1.2%	1852.1	0.6%
Bogd bank	3	1.2%	154.0	0.1%
Triple flag mining finance Bermuda Ltd	3	1.2%	13017.0	4.3%
Saving bank	3	1.2%	10911.8	3.6%
Bank of China	5	2.0%	1027.2	0.3%
Khutult nomgon	3	1.2%	294.2	0.1%
Export-Import Bank of China	3	1.2%	1092.0	0.4%
World Gold	2	0.8%	2194.9	0.7%
First lithium Corporation	2	0.8%	17131.1	5.6%
Erel bank	2	0.8%	150.3	0.0%
Zoos Bank	2	0.8%	19298.9	6.4%
Other	19	7.7%	19654.4	6.5%

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, 2019.VII.03

No	Name of entity	Count of license	Area size /hectare/	Company type	Nationality
1	Chinggis world mining	43	142,116.2	joint venture with foreign investment	Mongolia, Japan
2	Mongolroscvetmet	26	15,086.0	mongolian legal entity	Mongolia
3	Mongolyn alt Mak	23	60,249.8	mongolian legal entity	Mongolia
4	Gacuurt	17	9,557.3	mongolian legal entity	Mongolia
5	Caina investment mongolia	15	207,645.0	Entity with 100% foreign investment	Singapore
6	Golden east mongolia	15	67,611.2	Entity with 100% foreign investment	Virgin Islands
7	Olon-Ovoot gold	14	90,111.6	mongolian legal entity	Mongolia
8	Khunnu govi altai	12	2,206.7	mongolian legal entity	Mongolia
9	Gobi Coal and Energy	11	6,988.5	mongolian legal entity	Mongolia
10	Platinum land	11	3,621.3	mongolian legal entity	Mongolia
11	MoEnCo	10	12,807.4	Entity with 100% foreign investment	Singapore
12	Erel	10	10,960.9	mongolian legal entity	Mongolia
13	MAK cement	10	3,854.8	mongolian legal entity	Mongolia

1.13. LIST OF LICENSE HOLDERS WITH 100'000 AND ABOVE LICENSED AREA SIZE, 2019.VII.03

No	Name of entity	Count of license	Area size /ha/	Company type	Nationality
1	Caina investment mongolia	15	207,645.0	100% foreign invested entity	Singapore
2	Mongol uranium resource	2	191,728.6	mongolian legal entity	Mongolia
3	Chinggis world mining	43	142,116.2	joint venture with foreign investment	Mongolia, Japan
4	Monlaa	4	108,679.0	mongolian legal entity	Mongolia

Source: Cadastre Division, MRPAM

1.14. RECEIVED APPLICATION, by application type, 2016-2019

	2016	2017	2018	2019.I-V	2019.I-VI
TOTAL	613	813	1187	412	452
New license	131	288	226	105	116
Mining	103	65	78	23	31
Exploration	0	0	0	0	0
Tender	28	223	148	82	85
Extension of exploration license	173	231	657	227	248
Transfer	139	153	157	24	28
Mining	49	78	25	8	10
Exploration	90	75	132	16	18
Pledge	33	37	61	11	12
Mining	30	32	58	11	12
Exploration	3	5	3	0	0
Surrender	137	104	86	45	48
Mining	26	14	12	5	5
Exploration	111	90	74	40	43

1.15. CHANGES IN LICENSE REGISTRATION, by license type, 2016-2019

	2016	2017	2018	2019.I-V	2019.I-VI
New license	750	151	85	58	75
Mining	93	77	61	23	31
Exploration	629	41	5	0	0
Tender	28	33	19	35	44
Surrendered	166	97	91	32	35
Mining	25	13	11	5	5
Exploration	141	84	80	27	30
Canceled	241	237	181	68	92
Mining	37	35	33	11	25
Exploration	204	202	148	57	67
Expired	124	176	209	120	127
Transferred	146	136	172	26	33
Mining	50	62	38	7	12
Exploration	96	74	134	19	21
Extended	167	162	566	248	261
Pledged	29	39	56	10	11
Mining	27	34	53	10	11
Exploration	2	5	3	0	0
Terminated pledges	16	39	27	5	9
Mining	12	38	26	5	9
Exploration	4	1	1	0	0
Re-issue of license documents	35	26	40	5	6
Mining	15	19	13	3	3
Exploration	20	7	27	2	3

Source: Cadastre Division, MRPAM

2.1. GEOLOGICAL SURVEY CONDUCTED AT EXPENSE OF THE STATE BUDGET, *by mln MNT, type of work, 2016-2019*

	2016		2017		2018		2019.I-VI	
	mln.tug	performance	mln.tug	performance	mln.tug	performance	mln.tug	performance
TOTAL	9,341.1	100%	12,255.1	91.8%	13,335.0	100%	5,522.9	22.4%
1:200000 scale geological map	642.7	100%	482.3	100%	408.5	100%	153.6	0.6%
1:50000 scale geological map, general survey	4,975.8	100%	5,355.9	100%	4,692.7	100%	2,049.3	8.3%
Thematic work	3,476.1	100%	6,274.6	80.8%	8,144.1	100%	3,266.1	13.3%
Collaborative projects	246.6	100%	142.4	100%	90.0	100%	53.9	0.2%

2.2. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, *by mln.MNT, type work, 2013-2017*

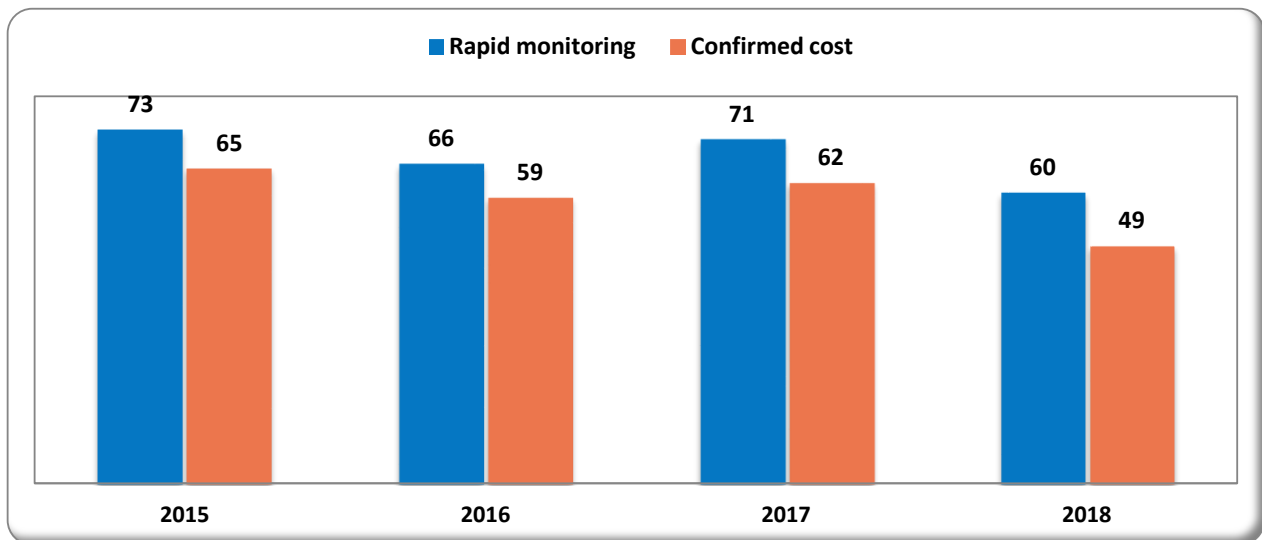
	2013	2014	2015	2016	2017	2017 оны дунд эзлэх хувь
TOTAL	150,095.8	160,421.9	107,238.5	190,260	130,586.6	100%
Preparation	3,842.3	3,146.2	2,998.7	8,924.2	3,615.2	2.8%
Mapping	2,328.8	3,006.8	2,314.2	5,815.3	1,886.1	1.4%
Geological survey	2,530.5	2,535.4	2,789.2	6,383.5	2,334.6	1.8%
Sampling	2,659.3	2,259.7	2,047.1	32,645.9	80,896.6	61.9%
Geophysical work	13,427.2	12,413.9	10,716.5	9,826.5	15,008.9	11.5%
Mining	2,530.8	4,887.8	2,784.2	1,697.1	-	-
Drilling	82,575.7	86,233.0	49,794.5	68,917.0	5,825.9	4.5%
Geochemical work	2,133.4	746.0	779.1	-	-	-
Laboratory	10,889.8	10,490.8	6,710.6	8,833.1	11,413.4	8.7%
Topogeodetic work	1,880.4	1,357.9	1,638.3	2,248.6	5,518.1	4.2%
Hydrogeological work	751.6	2,781.3	2,549.9	1,174.1	943.7	0.7%
Transport	5,182.5	3,780.9	3,112.8	17,331.0	341.4	0.3%
Indoor, laboratory investigation	11,233.7	21,563.1	11,055.0	11,685.7	1,120.4	0.9%
Environment reclamation	1,382.0	2,015.8	1,749.6	1,346.9	348.3	0.3%
Field sampling	416.6	1,484.7	1,246.9	2,101.3	929.4	0.7%
Geomorphology	25.3	-	20.6	-	-	-
Archeology	528.3	123.0	96.8	231.2	162.2	0.1%
Paleontology	448.9	88.3	43.3	-	-	-
Other	5,328.7	1,506.9	4,791.0	11,098.5	242.4	0.2%

Source: Geology and Exploration Division, MRPAM

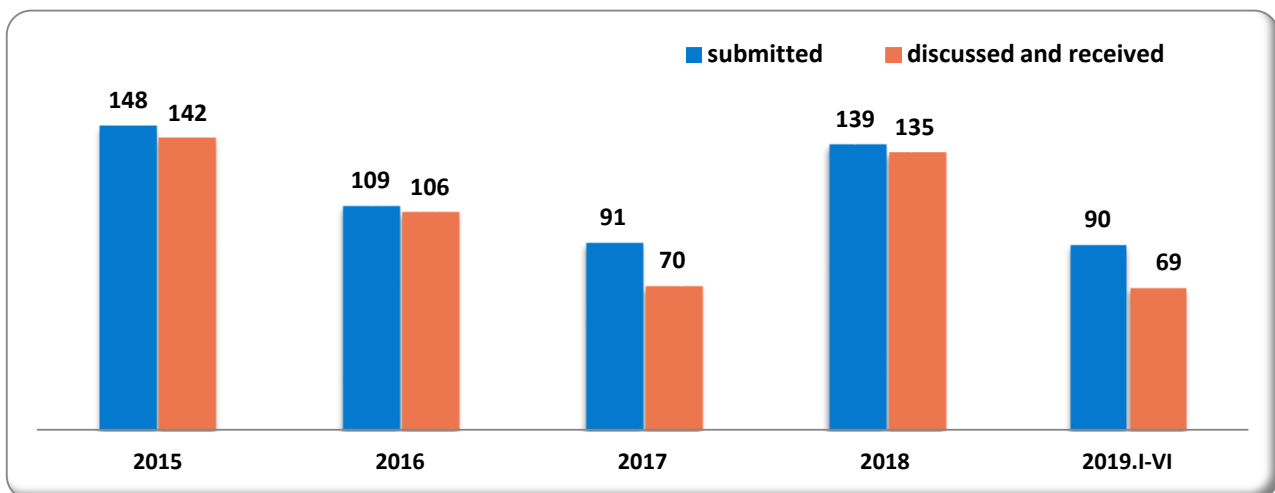
2.3. ANNUAL EXPLORATION PLAN, REPORT SUBMITTED AND NUMBER OF OF LICENSES CERTIFIED FOR EXPLORATION EXPENDITURE, 2015-2019

	2015	2016	2017	2018	2019.I-VI
Plan attendance	97.2%	85.3%	98.6%	98.8%	63.0%
Report attendance	69.9%	83.0%	88.5%	93.0%	-
Minimum review of exploration expenditure report	97.0%	99.7%	98.0%	70.0%	-
Cost of financial statements	91.7%	94.9%	90.8%	67.0%	-

2.4. SPECIAL RAPID TRACKING FOR GEOLOGICAL EXPLORATION PERMITS AND NUMBERS, 2015-2018



2.5. RECEIVED EXPLORATION REPORT, 2015-2019

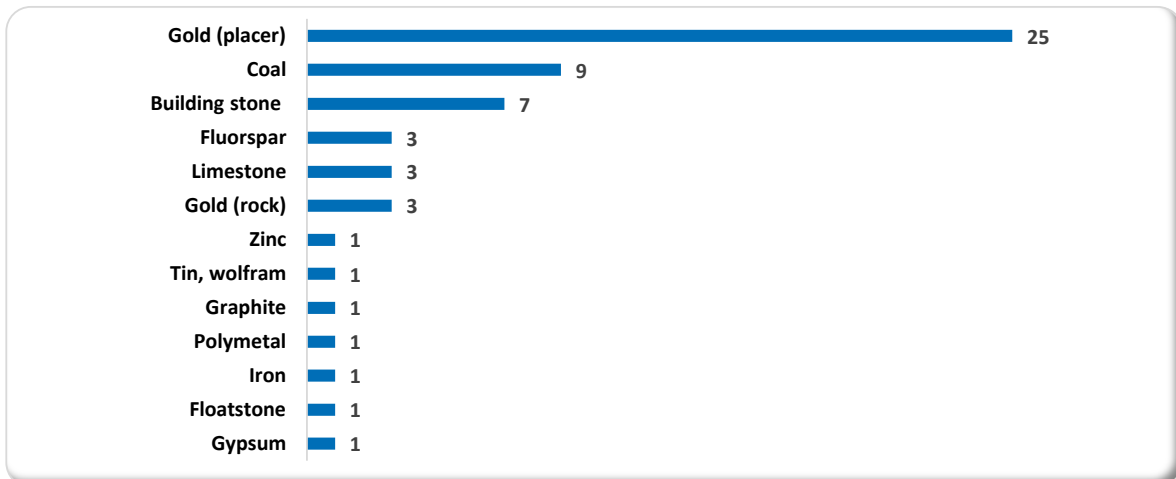


Source: Geology and Exploration Division, MRPAM

2.6. MINERAL RESOURCE RESERVES REGISTERED IN THE STATE'S INTEGRATED REGISTRATION, 2018-2019

	Unit	2018		2019.I-VI	
		ore	metal	ore	metal
Gold (rock)	ths.t/kg	6,537.9	18,697.9	590.8	50,555.3
Gold (placer)	kg	5,140.2	4,600.6	3,127.7	2,766.6
Iron	ths.t	44,969.8	18,287.9	3,937.6	1,476.3
Polymetal	ths.t	167,692.3	-	8,633.7	-
Copper	t	-	51,909.0	-	1,284.8
Zinc	t	-	1,174,190.0	-	78,842.5
Blue lead	t	-	606,274.0	-	18,685.2
Gold	kg	-	512,904.0	-	-
Silver	t	-	132,224.9	-	62.1
Tin	t	-	-	-	547.7
Tungsten	t	-	-	-	75.4
Tungsten	ths.t	36.6	1.4	-	-
Rare earth elements	ths.t	356.80	125.16	-	-
Copper Molybdenium	ths.t	55,871.20	-	-	-
Copper	t	-	149.1	-	-
Molybdenium	t	-	2.2	-	-
Fluorspar	ths.t	6,932.0	1,239.1	570.9	324.7
Uranium	ths.t	51,583.2	15.5	-	-
Zinc	ths.t	-	-	3,273.9	-
Zinc	ths.t	-	-	-	308.6
Blue lead	ths.t	-	-	-	16.28
Silver	kg	-	-	-	87.83
Iron	ths.t	-	-	-	636.7
Coal	mln.t	9,662.7	-	4,929.0	-
Silicone	ths.t	-	-	182.1	-
Limestone	mln.t	52.7	-	1,063.7	-
Building stone	ths.t	-	-	149,690.6	-
Graphite	ths.t	-	-	347.4	-
Gypsum	ths.t	-	-	683.3	-
Mud	ths.m3	-	-	628.2	-
Sand gravel	ths.m3	-	-	3653.2	-
Marble	ths.m3	-	-	63,987.8	-

2.7. DEPOSIT DELIVERED TO THE STATE REGISTRATION OF MINERAL RESERVES, 2019.I-VI



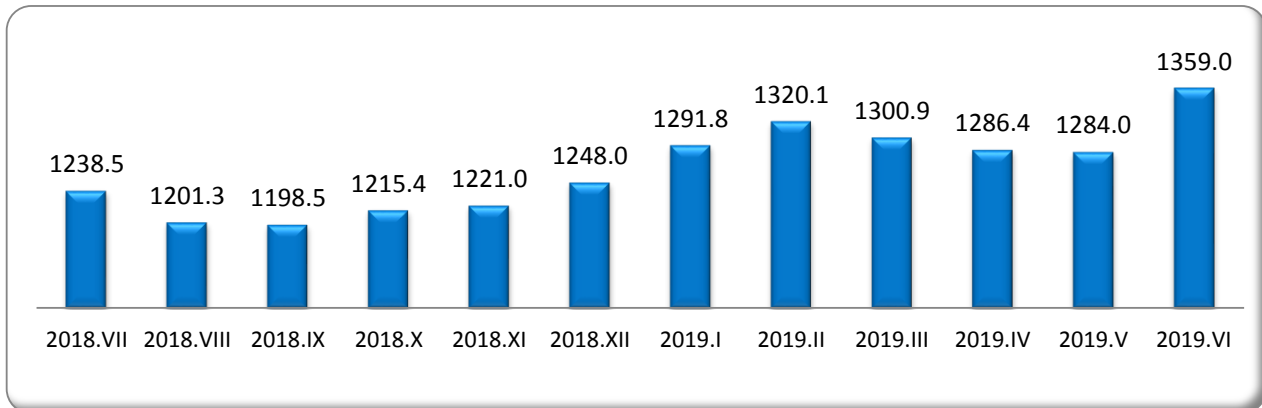
Source: Geology and Exploration Division, MRPAM

3 | MINING

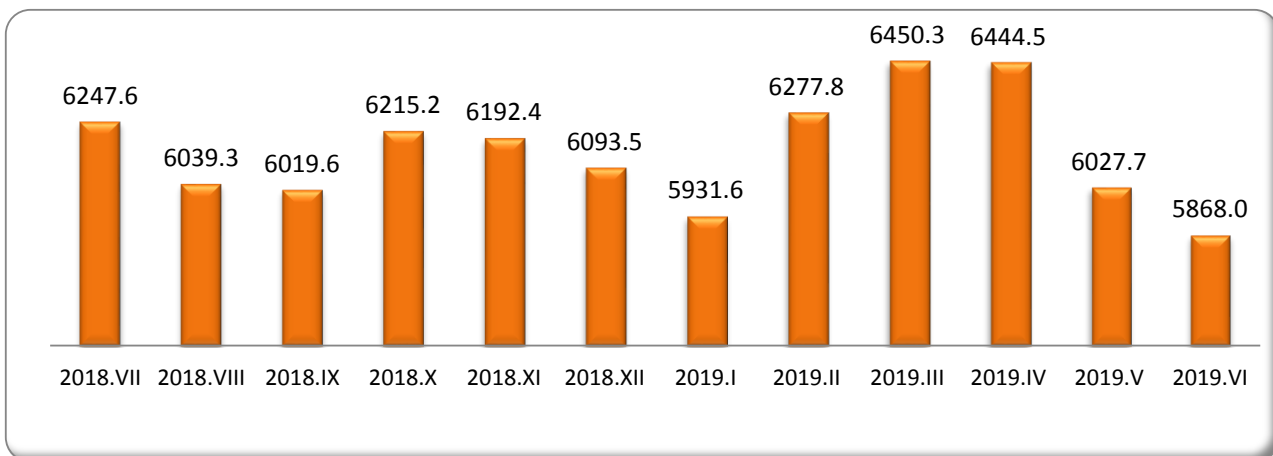
3.1. AVERAGE OF COMMODITY PRICES ON THE WORLD MARKET, 2018-2019

	Unit	2018.VI	2018	2019.V	2019.VI	$\frac{2019.VI}{2018.VI}$	$\frac{2019.VI}{2019.V}$
Gold	\$/ounce	1,281.6	1,269.4	1,284.0	1,359.0	106.0%	105.8%
Silver	\$/ounce	16.5	15.8	14.6	15.0	90.8%	102.5%
Copper	\$/tons	6,954.2	6,508.1	6,027.7	5,868.0	84.4%	97.3%
Zinc	\$/tons	3,091.2	2,895.6	2,746.8	2,601.6	84.2%	94.7%
Blue lead	\$/tons	2,440.2	2,237.3	1,775.0	1,891.0	77.5%	106.5%
Tin	\$/tons	20,652.0	19,954.6	19,520.0	19,163.3	92.8%	98.2%
Molybdenum	\$/tons	25,000.0	23,075.4	24,376.2	24,510.0	98.0%	100.5%
Tungsten	\$/tons	43,300.0	41,640.0	36,430.0	34,080.0	78.7%	93.5%
Iron ore	\$/tons	45.0	39.6	64.3	84.2	187.1%	131.0%
Fluorite concentrate AG-97	\$/tons	490.0	486.0	425.0	425.0	86.7%	100.0%
Fluorite ore MG-85	\$/tons	360.0	365.0	300.0	300.0	83.3%	100.0%

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

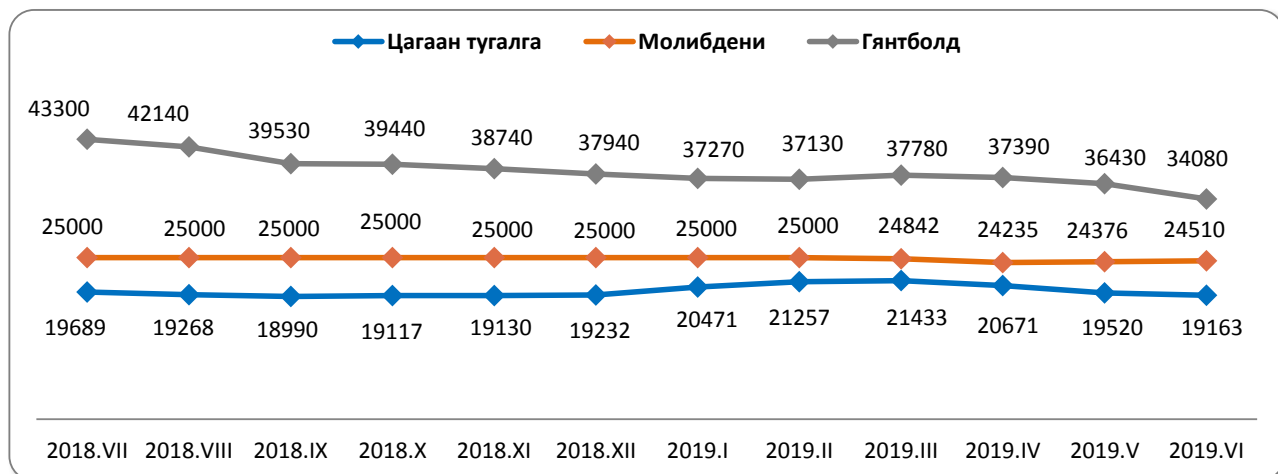


3.3. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, by US\$/tons, last 12 months

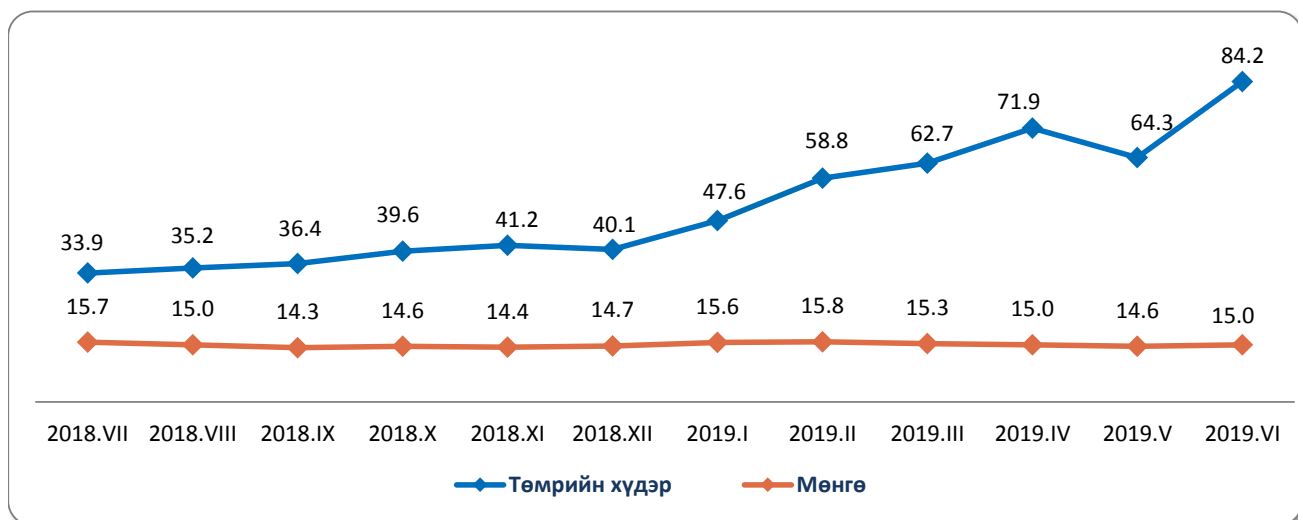


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com www.sxcoal.com

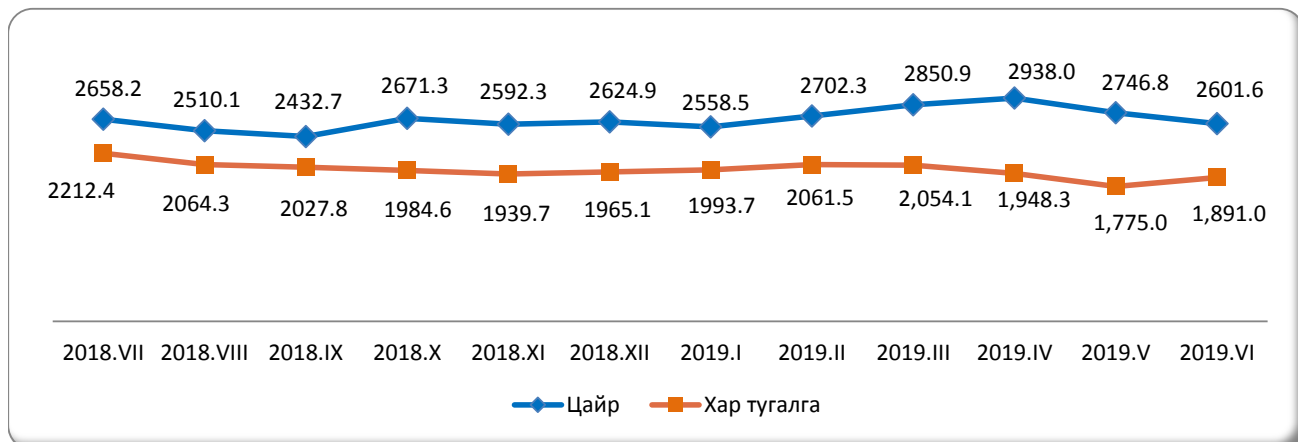
3.4. AVERAGE PRICE OF TIN, MOLYBDENIUM AND TUNGSTEN ON THE WORLD MARKET, by US\$/tons, last 12 months



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



3.6. AVERAGE PRICE OF ZINC AND BLUE LEAD ON THE WORLD MARKET, by US\$/tons, 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

3.7. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2018-2019

	Stock exchange	Symbol	Currency	Price						Market value /2019 VII.05/
				2018.VI	2018	2019.V	2019.VI	<u>2019.VI</u> 2018.VI	<u>2019.VI</u> 2019.V	
Turquoise Hill Resources Ltd.	NYQ	TRQ	USD	2.805	2.591	1.306	1.221	43.5%	93.5%	2.47B
Peabody Energy Corporation	NYQ	BTU	USD	46.018	39.303	26.931	23.166	50.3%	86.0%	2.46B
Rio Tinto plc	LSE	RIO.L	GBp	4268.9	3,895.5	4,538.9	4,704.2	110.2%	103.6%	81.106B
Mongolia Energy Corporation Limited	HKG	0276.HK	HKD	0.155	0.155	0.127	0.126	81.3%	99.2%	233.85M
Mongolian Mining Corporation	HKG	0975.HK	HKD	0.142	0.171	0.133	0.105	73.9%	78.9%	1.08B
South Gobi Resources Ltd.	HKG	1878.HK	HKD	1.04	1.017	1.2	1.088	104.6%	-	287.18M
Centerra Gold Inc.	TOR	CG.TO	CAD	7.042	6.276	7.481	8.667	123.1%	115.9%	2.76B
Erdene Resource Development Corporation	TOR	ERD.TO	CAD	0.391	0.367	0.195	0.202	51.7%	103.6%	33.05M
Entrée Resources Ltd.	TOR	ETG.TO	CAD	0.538	0.536	0.448	0.416	77.3%	92.9%	72.57M
Prophecy Development Corp.	TOR	PCY.TO	CAD	2.617	2.015	0.197	0.188	7.2%	95.4%	15.58M
Steppe Gold Ltd	TOR	STGO.TO	CAD	1.333	1.145	0.68	0.69	51.8%	101.5%	30.57M
Kincora Copper Limited	VAN	KCC.V	CAD	0.135	0.159	0.095	0.101	74.8%	106.3%	16.74M
Altan Rio Minerals Limited	VAN	AMO.V	CAD	0.019	0.017	-	0.01	-	-	-
Xanadu Mines Limited	ASX	XAM.AX	AUD	0.189	0.177	0.083	0.059	31.2%	71.1%	31.16M
Aspire Mining Limited	ASX	AKM.AX	AUD	0.022	0.018	0.019	0.016	72.7%	84.2%	49.90M
Haranga Resources Limited	ASX	HAR.AX	AUD	0.003	0.003	-	-	-	-	-
Tian Poh Resources Limited	ASX	TPO.AX	AUD	0.09	0.082	-	0.09	-	-	-
Banpu Public Company Limited	SET	BANPU.BK	THB	20.767	19.856	15.124	14.79	71.2%	97.8%	75.36B
Petro Matad Limited	LSE	MATD.L	GBp	10.799	8.608	5.117	6.975	64.6%	136.3%	50.20M
Wolf Petroleum Limited	ASX	WOF.AX	AUD	0.011	0.012	-	-	-	-	-

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

3.8. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2018-2019

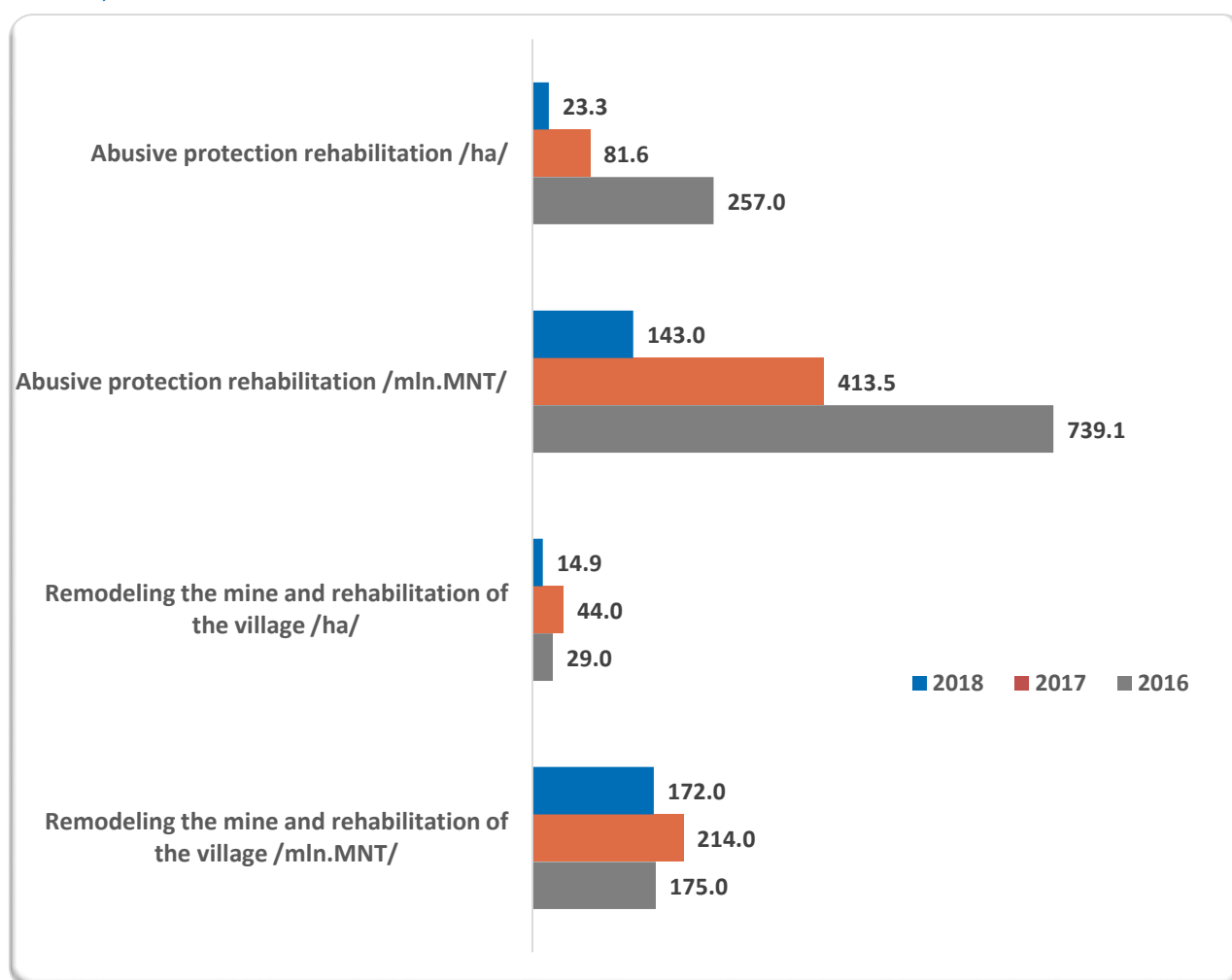
	Symbol	Price					
		2018.VI	2018	2019.V	2019.VI	$\frac{2019.VI}{2018.VI}$	$\frac{2019.VI}{2019.V}$
Tavantolgoi	TTL	9954	9059	6410	6981	70.1%	108.9%
Baganuur	BAN	1920	1867	1131	1030	53.6%	91.1%
Shivee-Ovoo	SHV	2121	2,087	1,845	1818	85.7%	98.5%
Aduunchuluun	ADL	2428	2534	1750	1655	68.2%	94.6%
Shariin Gol	SHG	2227	2261	1600	1583	71.1%	98.9%
Erdene Resource Development Corporation	ERDN	653	605	502	480	-	95.6%
Mogoin gol	BDL	8556	7666	7412	7041	82.3%	95.0%
Bayanteeg	BTG	-	13919	20660	20640	-	99.9%
Berkh-Uul	BEU	849	802	-	-	-	-
Khar Tarvagatai	TVT	-	10545	-	-	-	-
Taliin Gal	TAL	-	15	-	-	-	-
Mongol Basalt	MBW	393	345	256	287	73.0%	112.1%
Mongol Ceramic	KEK	-	21000	-	-	-	-
Silikat	SIL	-	152	-	90	-	-
Sonsgolon barmat	SSG	-	891	-	-	-	-
Remicon	RMC	41	37	29	29	70.7%	100.0%
Arig Tal	EER	3600	3631	3243	3333	92.6%	102.8%
Niislel-Urguu	NUR	-	9600	-	5015	-	-
Erchim Bayan-Ulgii	BOE	-	-	-	-	-	-
Khukh Gan	HGN	89	90	84	81	91.0%	96.4%
Nako Tulsh	NKT	-	135	83	84	-	101.2%

Source: www.mse.mn

3.9. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2014-2018

	Unit	2014	2015	2016	2017	2018
Area covered by mining	ha	1560.7	871.0	703.5	1002.3	584.0
Rehabilitated area	ha	959.6	750.0	876.4	677.2	608.0
Expenses for rehabilitation	mln.MNT	9211.6	4019.0	2167.2	2966.4	2772.5
Area covered by technical rehabilitation	ha	523.1	589.0	954.0	698.5	560.0
Area covered by biological rehabilitation	ha	322.0	320.0	718.0	595.8	570.0
Environmental expenses	mln.MNT	11683.1	3771.0	5180.0	5155.0	2005.0

3.10. ABUSIVE PROTECTION REHABILITATION AND REMODELING THE MINE AND REHABILITATION OF THE VILLAGE, 2016-2018



Source: Mining Industry and Technology Division, MRPAM

4 | COAL

4.1. STRIPING, COAL PRODUCTION, SALE AND EXPORT, 2014-2019

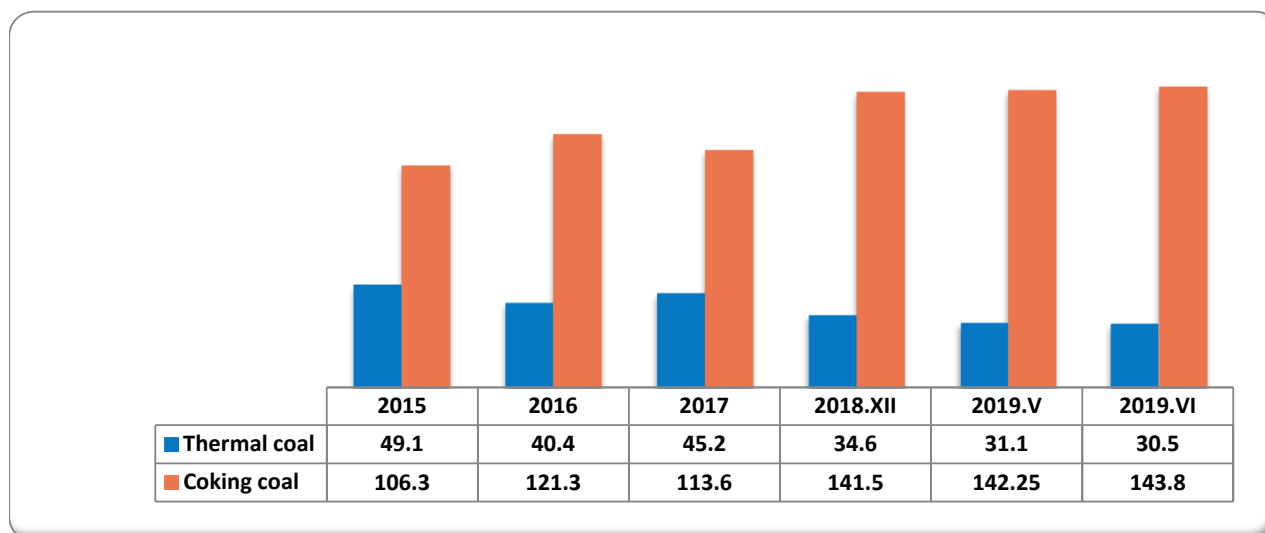
	Striping /ths.m3/	Coal production /ths.tons/	Coal sale /ths.tons/	Coal export /ths.tons/
2014	95,600.0	24,449.0	27,305.0	19,513.0
2015	92,975.0	23,979.0	22,125.0	14,468.0
2016	102,374.3	35,096.5	33,831.7	25,809.3
2017	197,240.8	49,480.3	41,904.6	33,400.1
2018	244,861.2	54,572.3	45,741.9	36,671.4
2019.I-VI	129,816.3	27,758.0	23,388.9	18,673.1

4.2. COAL SALE, by ths.tons, type, 2019.I-VI

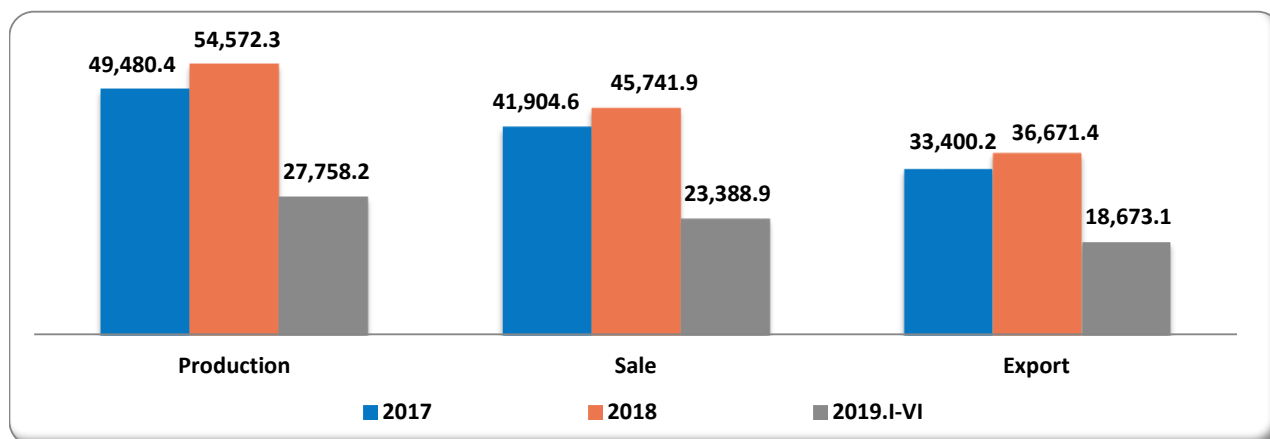
	TOTAL	Export	Local
БҮГД	23,388.9	18,673.1	4,715.8
Washed coking coal	2,791.0	2,791.0	-
Raw coking coal	9,247.8	9,247.8	-
Weak coking coal	4,246.0	4,246.0	-
Thermal coal	2,388.3	2,388.3	-
Brown coal	4,715.8	-	4,715.8

Source: Coal Research Division, MRPAM

4.3. AVERAGE PRICE OF COAL ON THE WORLD MARKET, by US\$/tons, 2015-2019



Source: www.infomine.com, www.sxcoal.com

4.4. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons*, 2017- 20194.5. COAL PRODUCTION, SALE AND EXPORT, by *ths.tons*, month, 2018-2019

	Олборлолт	Борлуулалт	Экспорт
2018	54,572.3	45,741.9	36,671.4
2018.I	3,840.5	4,313.8	3,207.2
2018.II	2,772.1	2,258.6	1,272.9
2018.III	4,215.0	4,194.0	3,444.3
2018.IV	5,056.0	4,208.0	3,546.0
2018.V	5,219.5	4,297.5	3,814.8
2018.VI	4,837.1	4,148.1	3,756.9
2018.VII	3,649.8	2,535.9	2,104.5
2018.VIII	2,891.9	2,647.0	2,114.1
2018.IX	4,285.6	4,785.8	4,038.9
2018.X	6,730.2	4,966.3	3,978.8
2018.XI	5,144.5	2,967.0	2,071.0
2018.XII	5,930.1	4,419.9	3,322.0
2019.I-VI	27,758.2	23,388.9	18,673.1
2019.I	4,408.8	4,337.0	3,245.5
2019.II	4,155.0	2,990.3	1,929.5
2019.III	4,644.1	4,345.4	3,526.4
2019.IV	4,870.2	4,128.7	3,527.0
2019.V	5,244.6	3,891.7	3,378.2
2019.VI	4,435.5	3,695.8	3,066.5
<u>2019.VI</u> <u>2018.VI</u>	-8.3%	-10.9%	-18.4%
<u>2019.I-VI</u> <u>2018.I-VI</u>	7.0%	-0.1%	-1.9%

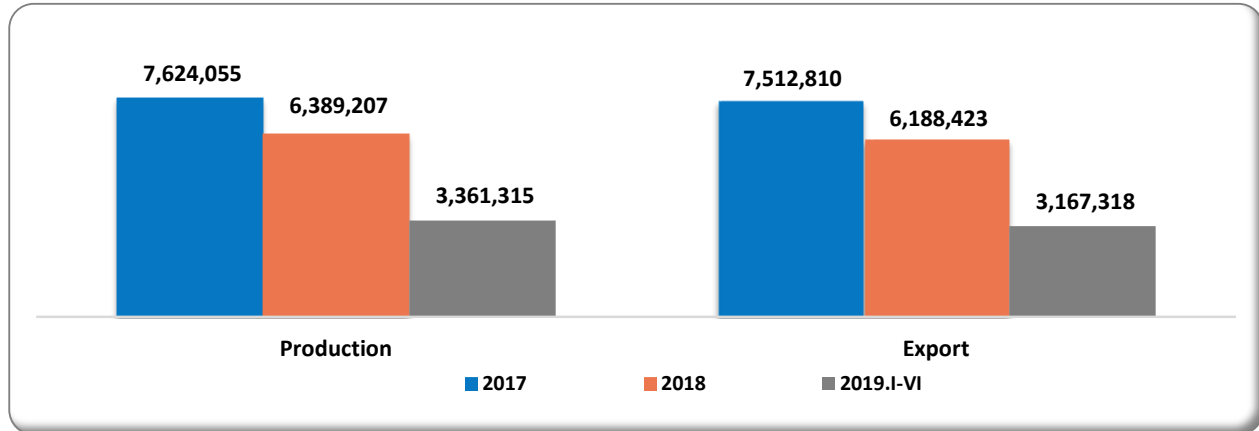
Source: Coal Research Division, MRPAM

4.6. MINING AND PETROLEUM EXAMINATION AND TESTING CENTRAL LABORATORY, 2019.VI

Type of coal	Name	Classification	Border name	Deposit name	TM	Adb	Vdaf	St,db	Qnet,ar	FSI	GI
					Weight, %				Kcal/kg	Index	
Raw coal	Coal	Coking	Khangi	Ail bayan	1.0	11.6	32.8	1.32	7352	9.0	97.3
			Gashuun Sukhait	Baruun, zuun tsankhi	3.1	14.1	27.9	0.70	6835	7.5	77.5
				Tavan tolgoi 4th orifice	1.0	19.1	28.5	0.74	6615	7.0	73.2
		Weak coking	Gashuun Sukhait	Tavan tolgoi 8th orifice	6.6	17.7	30.0	1.02	6148	5.5	67.2
			Shivee Khuren	Khuren shand	1.7	6.4	37.0	0.80	7319	5.5	75.8
				Zangat Uul	1.1	18.5	41.3	0.62	6552	8.0	93.2
				Chinkhua Mak	3.8	6.7	35.1	0.86	7083	5.0	64.8
				Baruun Noyon	2.2	10.9	29.1	0.53	7350	7.0	90.9
				SGS	3.5	14.4	40.7	1.43	6431	4.5	65.7
		Non coking	Gashuun Sukhait	ETT erchim khuch	5.0	18.4	30.8	0.63	5853	0.0	0.0
				Tavan tolgoi erchim khuch	1.6	35.4	33.7	1.12	5048	2.5	19.9
			Shivee Khuren	Bayan Tes	15.3	20.6	38.3	0.53	4680	0.0	0.0
		Other	Zamiin - Uud	Alag tolgoi	5.8	23.0	26.7	0.70	5085	0.0	0.0
				Dlan Shtain	7.3	28.2	20.6	0.86	5350	0.0	0.0
Washed coal	Coal	Coking	Yarant	Khushuut	2.4	24.5	19.1	0.52	6059	6.5	63.0
		Weak coking	Shivee Khuren	MAK	10.7	6.4	37.42	1.01	6640.5	5.5	80.0
		Non coking	Zamiin - Uud	Dalan	2.6	15.5	20.00	1.06	6681.3	0.0	0.0

Source: Central Laboratory of Mining and Petroleum, MRPAM

5.1. PETROLEUM PRODUCTION AND EXPORT, by barrel, 2017-2019



5.2. PETROLEUM PRODUCTION AND EXPORT, by barrel, month, 2018-2019

	Production		Export	
	Barrel	Percent	Barrel	Percent
2018	6,389,207	100%	6,188,423	100%
2018.I	620,842	9.7%	558,232	9.0%
2018.II	556,544	8.7%	451,701	7.3%
2018.III	568,740	8.9%	621,219	10.0%
2018.IV	535,029	8.4%	579,017	9.4%
2018.V	556,865	8.7%	555,443	9.0%
2018.VI	539,680	8.4%	541,818	8.8%
2018.VII	563,763	8.8%	543,629	8.8%
2018.VIII	553,224	8.7%	537,238	8.7%
2018.IX	515,475	8.1%	423,496	6.8%
2018.X	198,319	3.1%	156,157	2.5%
2018.XI	569,745	8.9%	698,891	11.3%
2018.XII	610,983	9.6%	521,584	8.4%
2019.I-VI	3,361,315	100%	3,167,318	100%
2019.I	586,196	17.4%	533,837	16.9%
2019.II	515,318	15.3%	477,824	15.1%
2019.III	569,607	16.9%	609,105	19.2%
2019.IV	549,433	16.3%	484,692	15.3%
2019.V	565,179	16.8%	521,782	16.5%
2019.VI	575,582	17.1%	540,078	17.1%
<u>2019.I-VI</u> <u>2018.I-VI</u>	-0.5%	-	-4.2%	-
<u>2019.VI</u> <u>2018.VI</u>	6.7%	-	-0.3%	-

Source: Petroleum Exploitation Division, MRPAM

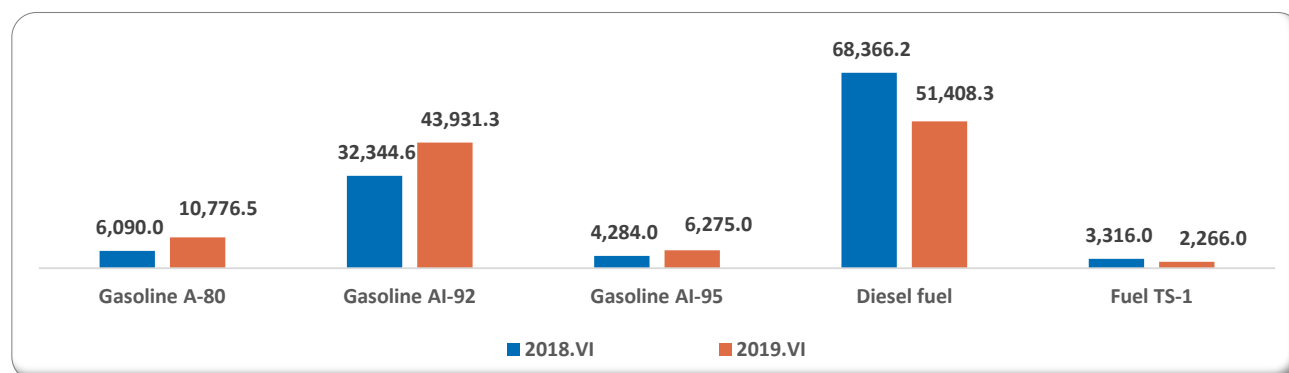
5.3. PETROLEUM PRODUCTS IMPORTING, by tons, type, months, 2018-2019

	TOTAL	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Gasoline AI-98	Diesel fuel	Fuel TS-1	Lique- fied gas	Other
2018	1,870,930	71,599	400,751	20,822	1,541	953,905	65,865	39,503	316,945
2018.I	130,087	3,271	24,694	546	-	88,012	5,211	3,474	4,879
2018.II	139,306	3,274	23,770	2,380	-	76,494	4,389	2,532	26,468
2018.III	132,976	3,908	37,526	1,787	284	65,133	3,227	4,060	17,050
2018.IV	128,347	4,188	23,821	641	-	59,083	3,895	2,620	34,099
2018.V	163,211	2,771	35,853	1,474	173	78,689	4,374	2,900	36,978
2018.VI	172,517	6,626	36,145	1,112	170	75,198	7,082	4,824	41,360
2019.I-VI	943,985	34,807	237,871	10,739	665	542,577	26,339	23,003	67,984
2019.I	191,530	7,230	53,693	2,480	179	109,068	5,572	3,236	10,072
2019.II	140,654	4,229	37,999	2,098	64	80,592	4,798	2,247	8,627
2019.III	156,866	5,913	42,352	1,452	-	88,872	3,555	4,008	10,713
2019.IV	147,457	8,390	40,199	1,712	243	78,169	7,120	7,522	4,102
2019.V	140,470	4,163	33,267	1,759	60	80,658	1,012	2,760	16,791
2019.VI	167,007	4,881	30,361	1,238	120	105,218	4,282	3,229	17,679
2019.VI 2018.VI	-3.2%	-26.3%	-16.0%	11.3%	-29.8%	39.9%	-39.5%	-33.1%	-57.3%
2019.I-VI 2018.I-VI	8.9%	44.8%	30.8%	35.3%	6.0%	22.6%	-6.5%	12.7%	-57.7%

5.4. PETROLEUM PRODUCTS IMPORTING, by tons, type, countries, 2019.VI

	БҮГД	Russia	China	Republic of Korea	Other countries
TOTAL	167,007	159,698	1,650	4,800	859
Gasoline A-80	4,881	4,881	-	-	-
Gasoline AI-92	30,361	30,361	-	-	-
Gasoline AI-95	1,238	1,238	-	-	-
Gasoline AI-98	120	120	-	-	-
Diesel fuel	105,218	103,738	1,480	-	-
Fuel TS-1	4,282	4,282	-	-	-
Lique- fied gas	3,229	2,947	-	283	-
Other	17,679	12,132	171	4,517	859

5.5. RESIDUE OF PETROLEUM PRODUCTS, by type, tons, 2018.VI, 2019.VI



Source: Petroleum Products Division, MRPAM

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

	New York		London		Russia		China	
	WTI		BRENT		URALS 32'		DAQING 33'	
2018.VII.03	578.59	11.6%	601.99	6.9%	549.78	3.9%	528.89	4.0%
2018.VII.06	576.80	-0.3%	585.96	-2.7%	549.78	0.0%	502.28	-5.0%
2018.VII.13	554.09	-3.9%	572.36	-2.3%	540.43	-1.7%	470.95	-6.2%
2018.VII.20	532.63	-3.9%	555.19	-3.0%	509.00	-5.8%	472.84	0.4%
2018.VII.27	535.99	0.6%	568.03	2.3%	521.79	2.5%	480.47	1.6%
2018.VIII.03	534.43	-0.3%	556.25	-2.1%	513.02	-1.7%	472.77	-1.6%
2018.VIII.10	527.72	-1.3%	553.21	-2.6%	506.23	-3.0%	461.21	-4.0%
2018.VIII.17	508.83	-3.6%	545.61	-1.4%	502.50	-0.7%	453.43	-1.7%
2018.VIII.24	529.28	4.0%	567.80	4.1%	540.13	7.5%	483.46	6.6%
2018.VIII.31	544.65	2.9%	589.91	3.9%	550.37	1.9%	495.09	2.4%
2018.IX.07	528.65	-2.9%	583.75	-1.0%	551.68	0.2%	487.09	-1.6%
2018.IX.14	538.33	1.8%	593.33	1.6%	557.82	1.1%	500.03	2.7%
2018.IX.21	552.30	2.6%	594.32	0.2%	558.19	0.1%	504.83	1.0%
2018.IX.28	571.57	3.5%	632.08	6.4%	583.54	4.5%	518.71	2.8%
2018.X.05	596.23	4.3%	643.85	1.9%	588.88	0.9%	540.67	4.2%
2018.X.12	556.67	-6.6%	611.11	-5.1%	559.35	-5.0%	535.58	-0.9%
2018.X.19	540.59	-2.9%	606.17	-0.8%	553.36	-1.1%	519.44	-3.0%
2018.X.26	527.40	-2.4%	590.36	-2.6%	538.31	-2.7%	506.94	-2.4%
2018.XI.05	490.65	-7.0%	553.13	-6.3%	539.62	0.2%	464.41	-8.4%
2018.XI.13	460.85	-6.1%	526.69	-4.8%	504.47	-6.5%	467.68	0.7%
2018.XI.20	445.01	-3.4%	505.04	-4.1%	481.23	-4.6%	431.18	-7.8%
2018.XI.27	399.67	-10.2%	457.55	-9.4%	427.59	-11.1%	381.31	-11.6%
2018.XI.30	397.41	-0.6%	451.78	-1.3%	416.48	-2.6%	370.92	-2.7%
2018.XII.11	398.19	0.2%	449.57	-0.5%	427.74	2.7%	390.40	5.3%
2018.XII.14	399.51	0.3%	458.39	2.0%	427.52	-0.1%	382.84	-1.9%
2018.XII.21	355.74	-11.0%	408.47	-10.9%	373.44	-12.6%	335.80	-12.3%
2018.XII.28	353.71	-0.6%	404.29	-1.0%	363.94	-2.5%	328.17	-2.3%
2019.I.04	374.23	5.8%	436.28	7.9%	386.96	6.3%	335.80	2.3%
2019.I.11	402.56	7.6%	459.53	5.3%	433.51	12.0%	389.45	16.0%
2019.I.18	421.67	4.7%	475.33	3.4%	437.60	0.9%	386.69	-0.7%
2019.I.28	406.77	-3.5%	455.20	-4.2%	430.22	-1.7%	384.80	-0.5%
2019.II.04	430.57	5.9%	477.08	4.8%	436.65	1.5%	394.83	2.6%
2019.II.11	407.63	-5.3%	469.78	-1.5%	437.97	0.3%	399.20	1.1%
2019.II.19	437.75	7.4%	501.85	6.8%	460.92	5.2%	436.20	9.3%
2019.II.25	430.88	-1.6%	491.97	-2.0%	468.74	1.7%	434.38	-0.4%
2019.III.05	440.01	2.1%	496.99	1.0%	463.55	-1.1%	424.50	-2.3%
2019.III.12	444.77	1.1%	506.94	2.0%	468.59	1.1%	427.80	0.8%
2019.III.19	462.72	4.0%	513.40	1.3%	474.29	1.2%	434.46	1.6%
2019.III.26	457.18	-1.2%	504.58	-1.7%	473.12	-0.2%	436.35	0.4%
2019.IV.02	481.76	5.4%	525.40	4.1%	486.71	2.9%	446.16	2.2%
2019.IV.09	503.37	4.5%	540.37	2.8%	462.30	-5.0%	459.90	3.1%
2019.IV.16	493.54	-2.0%	538.70	-0.3%	503.89	9.0%	463.32	0.7%
2019.IV.23	515.39	4.4%	566.05	5.1%	522.16	3.6%	478.22	3.2%
2019.IV.30	496.66	-3.6%	416.75	-26.4%	511.63	-2.0%	465.28	-2.7%
2019.V.07	487.38	-1.9%	541.81	30.0%	503.89	-1.5%	452.56	-2.7%
2019.V.14	477.15	-2.1%	534.90	-1.3%	509.29	1.1%	460.77	1.8%
2019.V.20	497.44	4.3%	556.10	4.0%	514.56	1.0%	469.28	1.8%
2019.V.28	461.24	-7.3%	521.60	-6.2%	483.35	-6.1%	442.16	-5.8%
2019.VI.04	412.78	-10.5%	462.72	-11.3%	446.88	-7.5%	394.76	-10.7%
2019.VI.11	418.24	1.3%	475.56	2.8%	414.00	-7.4%	406.76	3.0%
2019.VI.18	404.74	-3.2%	462.72	-2.7%	425.03	2.7%	392.87	-3.4%
2019.VI.25	450.94	11.4%	487.41	5.3%	443.96	4.5%	417.73	6.3%

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

5.7.RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, provinces, 2019.V.28, 2019.VI.25

	Gasoline A-80			Gasoline AI-92			Gasoline AI-95			Diesel fuel		
	2019.V.28	2019.VI.25	$\frac{2019.V.28}{2019.VI.25}$	2019.V.28	2019.VI.25	$\frac{2019.V.28}{2019.VI.25}$	2019.V.28	2019.VI.25	$\frac{2019.V.28}{2019.VI.25}$	2019.V.28	2019.VI.25	$\frac{2019.V.28}{2019.VI.25}$
NATIONAL AVERAGE PRICE	1875	1874	-0.1%	1980	1968	-0.6%	2325	2297	-1.2%	2445	2435	-0.4%
Western region	1924	1934	0.5%	2039	2026	-0.6%	-	-	-	2445	2426	-0.8%
Bayan-Ulgii	1800	1800	0.0%	1880	1880	0.0%	-	-	-	2190	2190	0.0%
Govi-Altai	1940	1860	-4.1%	2050	1960	-4.4%	-	-	-	2540	2450	-3.5%
Zavkhan	2030	2040	0.5%	2110	2120	0.5%	-	-	-	2580	2580	0.0%
Uvs	1870	1930	3.2%	2020	2030	0.5%	-	-	-	2400	2400	0.0%
Hovd	1980	2040	3.0%	2135	2140	0.2%	-	-	-	2515	2510	-0.2%
Hangai region	1839	1829	-0.5%	1934	1929	-0.2%	2315	2292	-1.0%	2437	2423	-0.6%
Arkhangai	1900	1850	-2.6%	1990	1940	-2.5%	2350	2300	-2.1%	2490	2460	-1.2%
Bayankhongor	1940	1890	-2.6%	2000	1950	-2.5%	-	-	-	2520	2480	-1.6%
Bulgan	1770	1770	0.0%	1875	1905	1.6%	2290	2290	0.0%	2380	2380	0.0%
Uvurkhangai	1900	1850	-2.6%	1990	1940	-2.5%	2350	2300	-2.1%	2490	2460	-1.2%
Orkhon	1770	1770	0.0%	1860	1890	1.6%	2290	2290	0.0%	2370	2370	0.0%
Selenge	1770	1770	0.0%	1860	1890	1.6%	2290	2290	0.0%	2370	2370	0.0%
Khuvsgul	1820	1900	4.4%	1960	1990	1.5%	2320	2280	-1.7%	2440	2440	0.0%
Central region	1853	1822	-1.7%	1958	1934	-1.2%	2322	2313	-0.4%	2438	2418	-0.8%
Ulaanbaatar	1798	1775	-1.3%	1940	1892	-2.5%	2325	2291	-1.5%	2407	2367	-1.7%
Tuv	1830	1770	-3.3%	1920	1870	-2.6%	2330	2290	-1.7%	2400	2360	-1.7%
Darkhan	1770	1770	0.0%	1860	1890	1.6%	2290	2290	0.0%	2370	2370	0.0%
Govisumber	1860	1860	0.0%	1940	1940	0.0%	2330	2330	0.0%	2480	2480	0.0%
Dundgovi	1890	1840	-2.6%	1970	1970	0.0%	2340	2340	0.0%	2320	2320	0.0%
Dornogovi	1890	1840	-2.6%	2010	1940	-3.5%	2320	2320	0.0%	2500	2480	-0.8%
Umnugovi	1900	1880	-1.1%	2010	2010	0.0%	2320	2320	0.0%	2530	2490	-1.6%
Zamin Uud	1890	1840	-2.6%	2010	1960	-2.5%	2320	2320	0.0%	2500	2480	-0.8%
Eastern region	1963	1913	-2.5%	2030	1983	-2.3%	2340	2287	-2.3%	2500	2473	-1.1%
Dornod	1960	1910	-2.6%	2040	1990	-2.5%	2330	2250	-3.4%	2500	2470	-1.2%
Sukhbaatar	1980	1930	2.8%	2050	2000	-2.4%	2350	2320	-1.3%	2500	2480	-0.8%
Khentii	1950	1900	-2.6%	2000	1960	-2.0%	2340	2290	-2.1%	2500	2470	-1.2%

Source: Petroleum Products Division, MRPAM

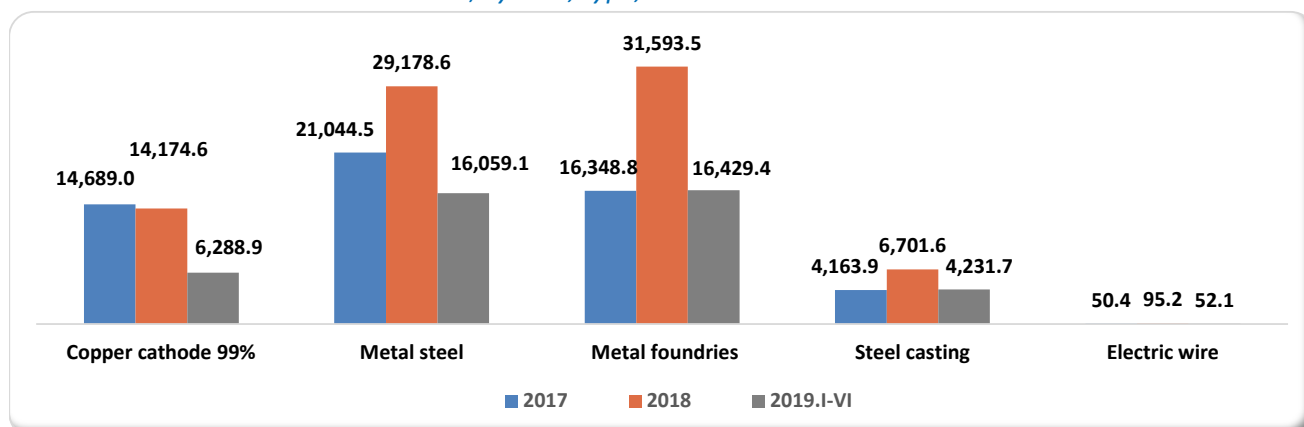
5.8. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, by MNT/litre, type, end of month, 2017-2019

	Gasoline A-80	Gasoline AI-92	Gasoline AI-95	Diesel fuel
2017.I.25	1538	1658	1817	1750
2017.II.21	1574	1713	1842	1800
2017.III.27	1573	1712	1839	1799
2017.IV.25	1573	1712	1861	1796
2017.V.23	1568	1707	1861	1791
2017.VI.27	1568	1707	1861	1791
2017.VII.18	1568	1705	1861	1790
2017.VIII.29	1559	1698	1861	1790
2017.IX.19	1559	1698	1861	1780
2017.X.31	1557	1695	1862	1776
2017.XI.28	1559	1701	1863	1783
2017.XII.26	1563	1703	1863	1794
2018.I.30	1569	1709	2042	1987
2018.II.27	1644	1792	2073	2097
2018.III.27	1677	1824	2071	2116
2018.V.01	1667	1813	2082	2089
2018.V.29	1669	1813	2129	2087
2018.VI.26	1691	1815	2076	2091
2018.VII.31	1750	1888	2157	2175
2018.VIII.28	1750	1888	2157	2180
2018.IX.25	1783	1917	2163	2215
2018.X.30	1865	2002	2223	2328
2018.XI.27	1931	2068	2342	2443
2018.XII.31	1879	1924	2319	2450
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
<u>2019.VI.25</u> <u>2019.V.28</u>	-0.1%	-0.6%	-1.2%	-0.4%
<u>2019.VI.25</u> <u>2018.VI.26</u>	10.8%	8.4%	10.6%	16.5%
<u>2019.VI.25</u> <u>2017.VI.27</u>	19.5%	15.3%	23.4%	36.0%

Source: Petroleum Products Division, MRPAM

6 | HEAVY INDUSTRY

6.1. HEAVY INDUSTRIAL PRODUCTION, by tons, type, 2017-2019



6.2. HEAVY INDUSTRIAL PRODUCTION, by tons, type, month, 2017-2019

	Copper cathode 99%	Metal steel	Metal foundries	Steel casting	Electric wire
2018	14,174.6	29,178.6	31,593.5	6,701.6	95.2
2018.I	1,262.3	2,728.2	1,389.2	225.7	17.8
2018.II	1,080.2	1,701.6	2,424.3	-	1.3
2018.III	1,239.3	3,577.5	3,946.7	-	4.5
2018.IV	1,186.0	3,613.7	3,033.0	671.5	9.3
2018.V	1,264.2	591.4	2,000.0	1,216.0	9.1
2018.VI	1,149.2	3,031.2	3,784.3	789.2	7.1
2018.VII	1,184.2	1,546.3	1,939.8	350.9	10.7
2018.VIII	1,237.8	1,583.9	1,596.5	992.1	6.7
2018.IX	849.2	2,483.1	2,173.7	820.3	0.0
2018.X	1,255.0	2,435.1	3,839.0	735.9	11.4
2018.XI	1,289.9	2,463.7	3,298.4	481.0	2.3
2018.XII	1,177.3	3,422.9	2,168.6	419.0	15.0
2019.I-VI	6,288.9	16,059.1	16,429.4	4,231.7	52.1
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.VI 2018.VI	-23.0%	-16.2%	-18.8%	8.9%	-14.1%
2019.I-VI 2018.I-VI	-12.4%	5.3%	-15.7%	45.8%	6.1%

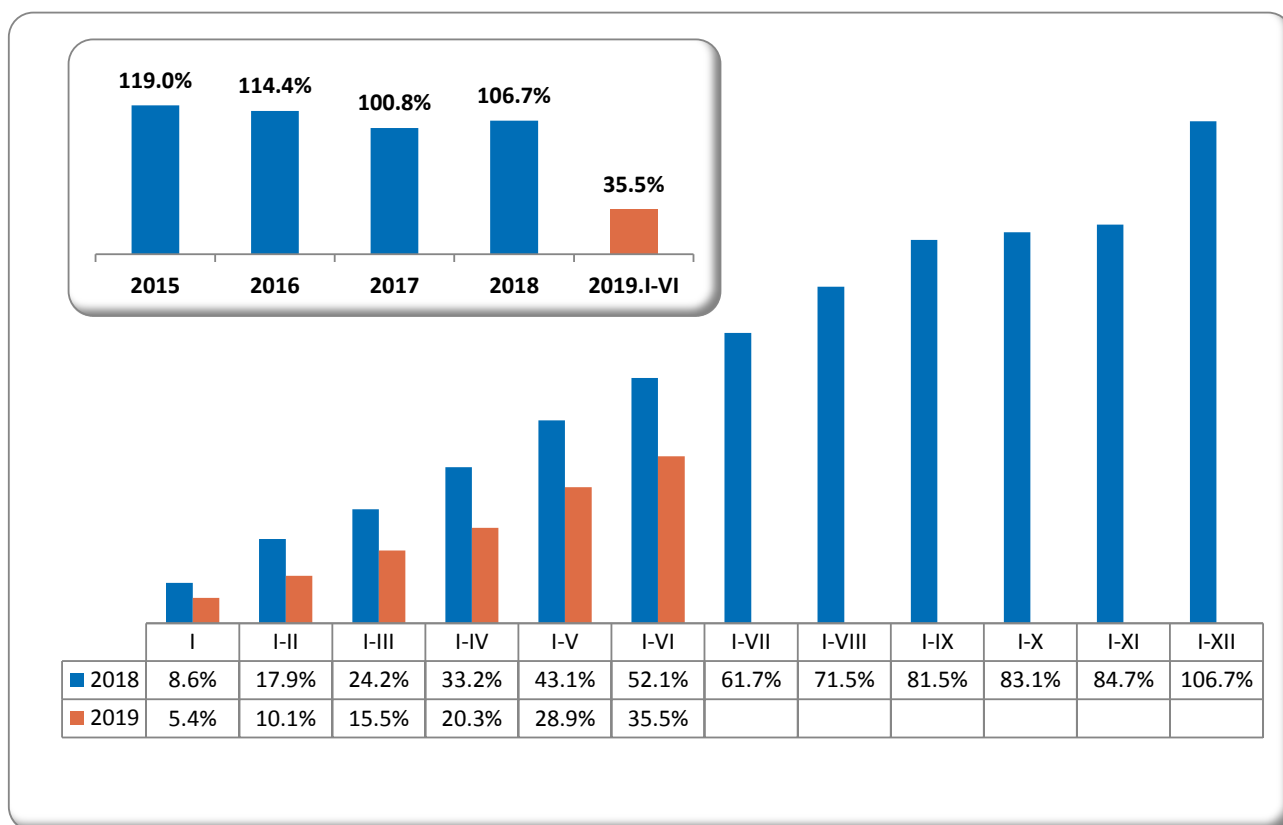
Source: Heavy Industry and Technology Division, MRPAM

7 | STATE INVESTMENT REVENUE

6.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, by mln.MNT, income type, 2019

	Plan of 2019	Performance	
		2019.I-VI	Performance rate %
License fee	42,900.0	16,338.6	38.1%
Reimbursement	2,300.0	3,011.3	130.9%
Petroleum export revenue	335,600.0	111,486.7	33.2%
Service revenue /petroleum/	2,717.7	1,483.4	54.6%
Service revenue /mineral resources/	9,282.4	1,283.7	13.8%
Tender revenue	11,250.0	9,856.7	87.6%

6.2.PERFORMANCE RATE OF MRPAM's BUDGET REVENUE, 2015-2019

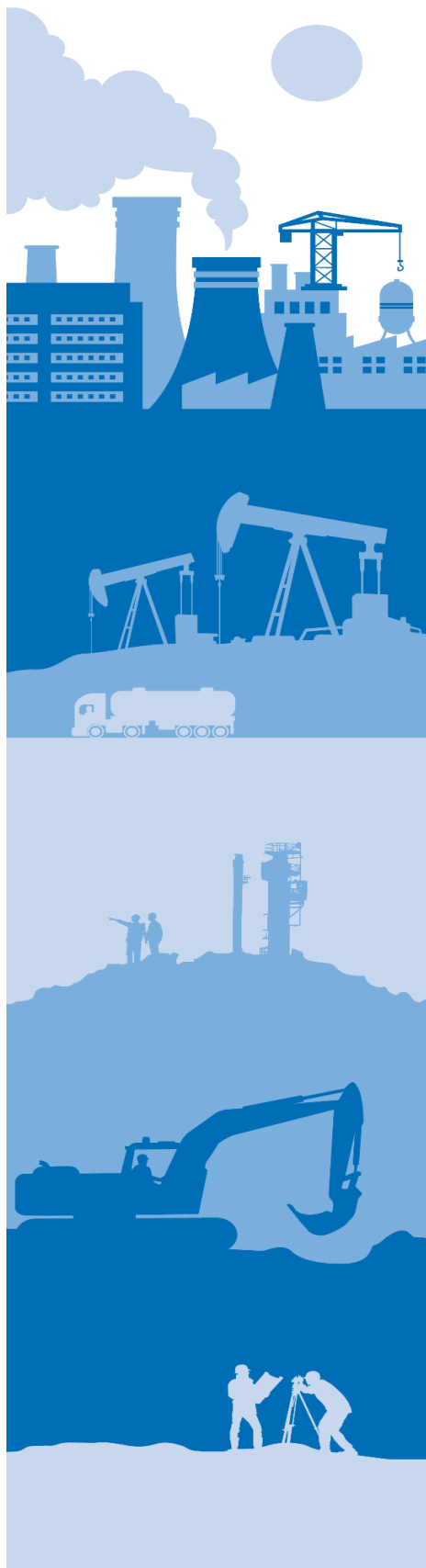


Source: Public Administration and Management Division, MRPAM

TELEPHONE LIST OF MINERAL RESOURCES AND PETROLEUM AUTHORITY

Director	263701
Deputy Director	263750
Deputy Director	328305
Public Administration and Management Division	263708
Legal Division	263781
Geology and Exploration Division	330939
Mining Productions, Technology Division	310041
Coal Research Division	263965
Cadastre Division	263640
Monitoring, Evaluation and Statistics Division	-
Heavy Industry, Technic and Technology Division	-
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