



IMPLEMENTING AGENCY OF MONGOLIAN GOVERNMENT
MINERAL RESOURCES AND PETROLEUM AUTHORITY



MINERAL RESOURCES AND PETROLEUM STATISTICS 2022/09

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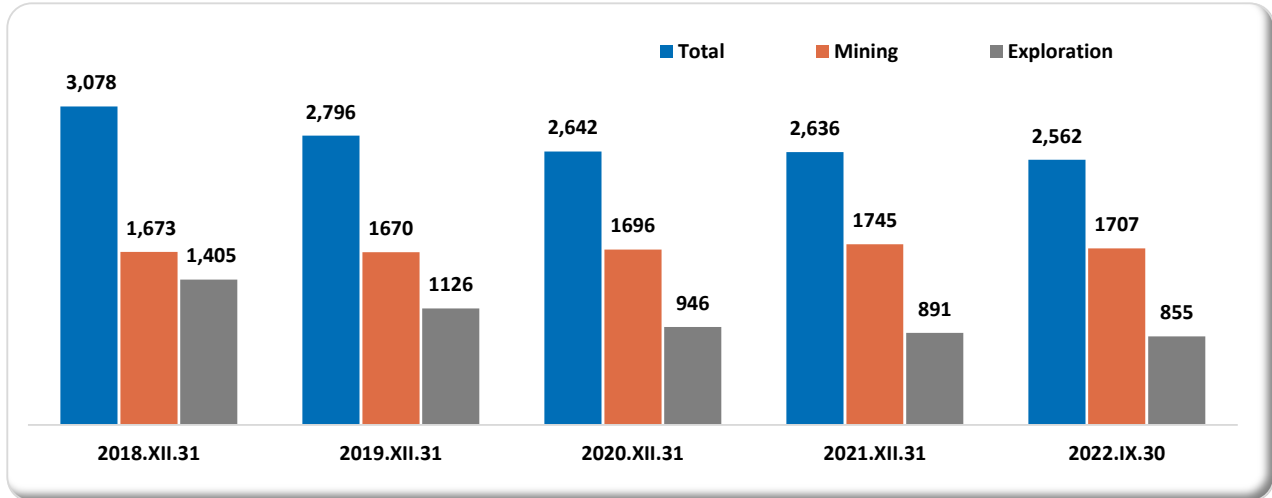
1 MINING AND EXPLORATION LICENSES

1.1. NUMBER OF VALID LICENSES AND AREA SIZE, 2022.IX.30, by provinces

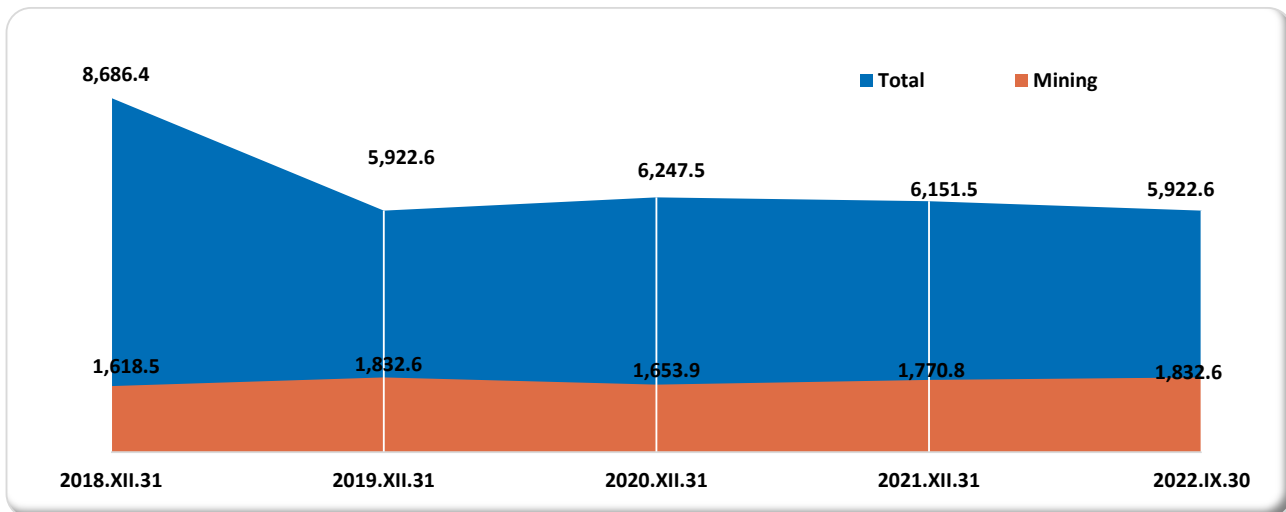
| | TOTAL | | | Of which: | | | | | |
|--------------|--------------------|--------------------|----------------------------|--------------------|--------------------|----------------------------|--------------------|--------------------|----------------------------|
| | Number of licenses | Area size /ths.ha/ | Percent of total territory | Mining | | | Exploration | | |
| | | | | Number of licenses | Area size /ths.ha/ | Percent of total territory | Number of licenses | Area size /ths.ha/ | Percent of total territory |
| TOTAL | 2,562 | 5,922.6 | 3.8% | 1707 | 1,832.6 | 1.2% | 855 | 4,090.0 | 2.6% |
| Arkhangai | 31 | 31.6 | 0.6% | 21 | 11.8 | 0.2% | 10 | 19.8 | 0.4% |
| Bayan-Ulgii | 67 | 207.4 | 4.5% | 30 | 16.7 | 0.4% | 37 | 190.8 | 4.2% |
| Bayankhongor | 136 | 324.3 | 2.8% | 100 | 167.3 | 1.4% | 36 | 157.1 | 1.4% |
| Bulgan | 106 | 95.7 | 2.0% | 82 | 41.9 | 0.9% | 24 | 53.8 | 1.1% |
| Govi-Altai | 125 | 533.1 | 3.8% | 60 | 106.0 | 0.7% | 65 | 427.1 | 3.0% |
| Govisumber | 16 | 44.6 | 8.1% | 13 | 38.9 | 7.0% | 3 | 5.8 | 1.0% |
| Darkhan Uul | 65 | 13.7 | 4.2% | 61 | 8.3 | 2.6% | 4 | 5.3 | 1.6% |
| Dornogovi | 339 | 1012.4 | 9.3% | 211 | 267.0 | 2.4% | 128 | 745.4 | 6.8% |
| Dornod | 149 | 525.8 | 4.3% | 73 | 68.2 | 0.6% | 76 | 457.6 | 3.7% |
| Dundgovi | 188 | 556.9 | 7.5% | 121 | 182.4 | 2.4% | 67 | 374.4 | 5.0% |
| Zavhan | 43 | 161.9 | 2.0% | 13 | 21.3 | 0.3% | 30 | 140.6 | 1.7% |
| Orkhon | 9 | 10.7 | 12.7% | 9 | 10.7 | 12.7% | 0 | 0.0 | 0.0% |
| Uvurkhangai | 54 | 150.9 | 2.4% | 30 | 18.1 | 0.3% | 24 | 132.8 | 2.1% |
| Umnugovi | 158 | 825.5 | 5.0% | 107 | 486.1 | 2.9% | 51 | 339.4 | 2.1% |
| Sukhbaatar | 87 | 279.7 | 3.4% | 65 | 53.1 | 0.6% | 22 | 226.5 | 2.8% |
| Selenge | 173 | 91.9 | 2.2% | 139 | 46.8 | 1.1% | 34 | 45.1 | 1.1% |
| Tuv | 381 | 351.8 | 4.8% | 304 | 160.7 | 2.2% | 77 | 191.1 | 2.6% |
| Uvs | 99 | 225.0 | 3.2% | 46 | 21.2 | 0.3% | 53 | 203.9 | 2.9% |
| Ulaanbaatar | 96 | 10.0 | 2.1% | 92 | 9.8 | 2.1% | 4 | 0.2 | 0.05% |
| Khuvsgul | 22 | 10.6 | 0.1% | 21 | 10.3 | 0.1% | 1 | 0.3 | 0.003% |
| Khovd | 78 | 195.2 | 2.6% | 36 | 29.5 | 0.4% | 42 | 165.7 | 2.2% |
| Khentii | 207 | 263.9 | 3.3% | 128 | 56.5 | 0.7% | 79 | 207.5 | 2.6% |

Source: Cadastre Division, MRPAM

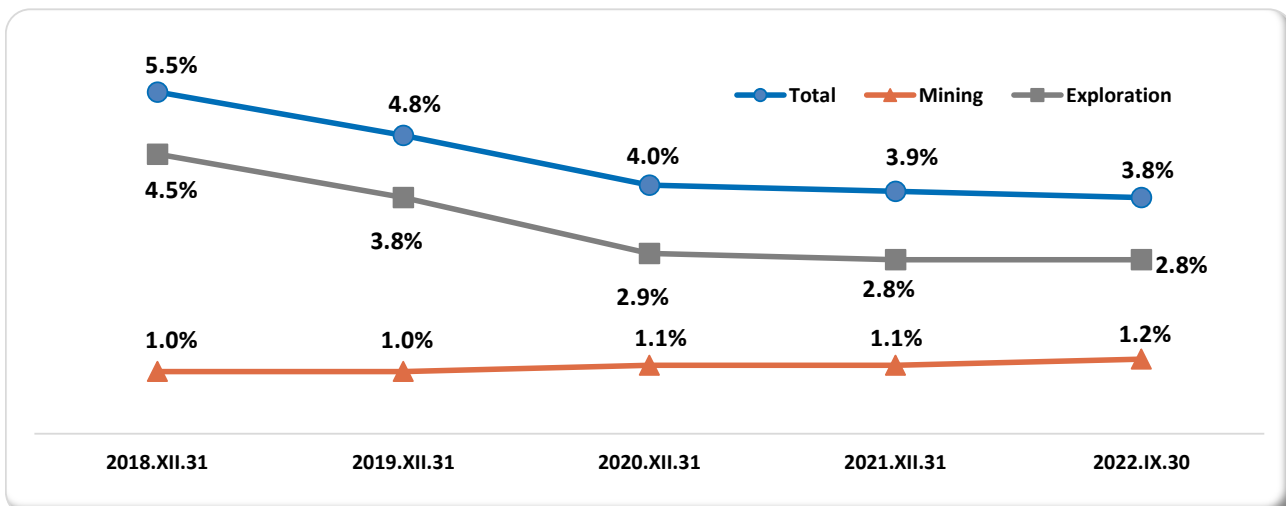
1.2. NUMBER OF TOTAL VALID LICENSES, 2018-2022



1.3. LICENSED AREA, 2018-2022, by thousands.ha



1.4. PERCENT OF TOTAL LICENSED AREA IN MONGOLIA'S TERRITORY, 2018-2022



Source: Cadastre Division, MRPAM

1.5. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.IX.30, by type of minerals

| | Mining license | | Area size | |
|------------------------------|----------------|----------------|--------------------|----------------|
| | Number | Share to total | Hectare | Share to total |
| TOTAL | 1707 | 100% | 1,832,594.2 | 100% |
| Gold (placer) | 462 | 27.07% | 184,028.9 | 10.04% |
| Coal | 303 | 17.75% | 810,750.0 | 44.24% |
| Fluorite | 211 | 12.36% | 41,006.6 | 2.24% |
| Gold ore | 92 | 5.39% | 124,153.1 | 6.77% |
| limestone | 79 | 4.63% | 48,643.9 | 2.65% |
| Iron | 78 | 4.57% | 47,641.3 | 2.60% |
| Common mineral, Clay | 34 | 1.99% | 2,113.6 | 0.12% |
| Common mineral, Sand, Gravel | 34 | 1.99% | 1,332.2 | 0.07% |
| Common mineral, Rock | 31 | 1.82% | 8,679.6 | 0.47% |
| Tungsten | 29 | 1.70% | 9,062.1 | 0.49% |
| Gypsum | 26 | 1.52% | 8,761.2 | 0.48% |
| Concentrated metal | 23 | 1.35% | 26,976.6 | 1.47% |
| Copper | 19 | 1.11% | 86,141.4 | 4.70% |
| Common mineral, sand | 18 | 1.05% | 1,090.6 | 0.06% |
| Tin | 14 | 0.82% | 6,797.2 | 0.37% |
| Gold (placer), Copper | 12 | 0.70% | 85,491.0 | 4.67% |
| Clay | 11 | 0.64% | 445.7 | 0.02% |
| Graphite | 10 | 0.59% | 20,141.9 | 1.10% |
| Salt | 10 | 0.59% | 458.0 | 0.02% |
| Molybdenum | 9 | 0.53% | 10,513.1 | 0.57% |
| Earth rare metal | 9 | 0.53% | 7,435.4 | 0.41% |
| Copper, Molybdenum | 8 | 0.47% | 14,328.3 | 0.78% |
| Marble | 8 | 0.47% | 7,262.8 | 0.40% |
| Uranium | 6 | 0.35% | 66,200.9 | 3.61% |
| Manganese | 6 | 0.35% | 8,500.0 | 0.46% |
| Rock | 6 | 0.35% | 3,191.6 | 0.17% |
| Sand stone, Common mineral | 6 | 0.35% | 1,426.3 | 0.08% |
| Slide the volcano | 6 | 0.35% | 886.4 | 0.05% |
| Copper, gold | 5 | 0.29% | 8,807.4 | 0.48% |
| Iron, zinc | 5 | 0.29% | 1,126.4 | 0.06% |
| Phosphorus | 5 | 0.29% | 800.0 | 0.04% |
| Zeolite | 5 | 0.29% | 705.0 | 0.04% |

1.5.1. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.IX.30, by type of minerals
(Cont.Table 1.5)

| | Ашиглалтын тусгай зорилгоор | | Талбайн хэмжээ | |
|-----------------------------------|-----------------------------|-------|----------------|-------|
| | Тоо | Хувь | Тоо | Хувь |
| Construction Rock | 4 | 0.23% | 19,024.8 | 1.04% |
| Gold | 4 | 0.23% | 6,106.8 | 0.33% |
| Molybdenum, Tungsten | 4 | 0.23% | 4,967.3 | 0.27% |
| Tungsten, Tin | 4 | 0.23% | 2,833.9 | 0.15% |
| Glauberite salt | 4 | 0.23% | 1,449.0 | 0.08% |
| Silver | 4 | 0.23% | 1,050.4 | 0.06% |
| Perlit | 4 | 0.23% | 771.5 | 0.04% |
| Precious stones | 4 | 0.23% | 593.2 | 0.03% |
| Construction materials | 4 | 0.23% | 501.0 | 0.03% |
| Sand, Gravel | 3 | 0.18% | 21,927.3 | 1.20% |
| Gold (placer), Concentrated metal | 3 | 0.18% | 17,320.6 | 0.95% |
| Gold (placer), Silver | 3 | 0.18% | 9,587.7 | 0.52% |
| Silicium | 3 | 0.18% | 2,793.1 | 0.15% |
| Aluminium | 3 | 0.18% | 1,370.9 | 0.07% |
| Bazalit | 3 | 0.18% | 601.5 | 0.03% |
| Bitumen | 3 | 0.18% | 599.1 | 0.03% |
| Common Construction, Clay, Rock | 3 | 0.18% | 275.3 | 0.02% |
| Granite | 2 | 0.12% | 10,699.3 | 0.58% |
| Gold ore, Silver | 2 | 0.12% | 6,206.0 | 0.34% |
| Gold, Copper | 2 | 0.12% | 3,158.1 | 0.17% |
| Face stone | 2 | 0.12% | 2,618.6 | 0.14% |
| Gold (placer), Clay, Sand | 2 | 0.12% | 2,041.2 | 0.11% |
| Zinc | 2 | 0.12% | 1,969.8 | 0.11% |
| Iron, Concentrated metal | 2 | 0.12% | 1,375.3 | 0.08% |
| Keramzite Clay | 2 | 0.12% | 207.8 | 0.01% |
| Common mineral, Keramzite Clay | 2 | 0.12% | 183.5 | 0.01% |
| Iron, limestone | 2 | 0.12% | 168.5 | 0.01% |
| Sand, Rock | 1 | 0.06% | 8,489.9 | 0.46% |
| Gold, Polymetal | 1 | 0.06% | 7,120.6 | 0.39% |
| Copper, Molybdenum, Gold | 1 | 0.06% | 5,236.0 | 0.29% |
| Lithium | 1 | 0.06% | 4,720.2 | 0.26% |
| Gold ore, Concentrated metal | 1 | 0.06% | 4,668.6 | 0.25% |
| Concentrated metal, Rock | 1 | 0.06% | 4,533.3 | 0.25% |
| Copper, Molybdenum | 1 | 0.06% | 4,523.6 | 0.25% |
| Iron, Molybdenum | 1 | 0.06% | 4,050.1 | 0.22% |
| Gold (placer), Gold ore | 1 | 0.06% | 3,404.3 | 0.19% |
| Graphite, limestone | 1 | 0.06% | 3,000.6 | 0.16% |
| Copper, Zinc | 1 | 0.06% | 2,899.3 | 0.16% |

1.5.2. NUMBER OF MINING LICENSE AND AREA SIZE, 2022.IX.30, by type of minerals

(Cont.Table 1.5)

| | | | | |
|--|---|-------|---------|--------|
| Gold, Copper, Silver | 1 | 0.06% | 2,085.6 | 0.11% |
| Molybdenum, Rhenium | 1 | 0.06% | 1,789.4 | 0.10% |
| Coal, Gold (placer) | 1 | 0.06% | 1,767.2 | 0.10% |
| Concentrated metal, Sand | 1 | 0.06% | 1,762.7 | 0.10% |
| Coal, Sand, Gravel | 1 | 0.06% | 1,444.1 | 0.08% |
| Zinc, Silver, | 1 | 0.06% | 874.7 | 0.05% |
| Common mineral, Construction Rock | 1 | 0.06% | 750.8 | 0.04% |
| Mica | 1 | 0.06% | 596.2 | 0.03% |
| Nickel | 1 | 0.06% | 524.6 | 0.03% |
| limestone, Rock | 1 | 0.06% | 435.2 | 0.02% |
| Bargilt | 1 | 0.06% | 335.0 | 0.02% |
| Fluorspar, Tungsten | 1 | 0.06% | 302.5 | 0.02% |
| Bazalit, Common mineral | 1 | 0.06% | 277.5 | 0.02% |
| Gold (placer), Iron | 1 | 0.06% | 251.4 | 0.01% |
| Color metal | 1 | 0.06% | 227.5 | 0.01% |
| Silver, Concentrated metal | 1 | 0.06% | 182.8 | 0.01% |
| Beryllium | 1 | 0.06% | 132.1 | 0.01% |
| Agalmatolite, Baryte | 1 | 0.06% | 125.7 | 0.01% |
| Garnet | 1 | 0.06% | 86.3 | 0.005% |
| Gold, Clay, Sand | 1 | 0.06% | 79.4 | 0.004% |
| Sand | 1 | 0.06% | 66.7 | 0.004% |
| Zeolite, Common mineral | 1 | 0.06% | 64.8 | 0.004% |
| Quartz | 1 | 0.06% | 60.4 | 0.003% |
| Red jasper | 1 | 0.06% | 49.3 | 0.003% |
| Green jasper | 1 | 0.06% | 47.5 | 0.003% |
| Common mineral, Clay, Sand, Gravel | 1 | 0.06% | 39.3 | 0.002% |
| Common mineral, Sand, Rock | 1 | 0.06% | 38.6 | 0.002% |
| Sand, Common mineral | 1 | 0.06% | 37.1 | 0.002% |
| Gold (placer), Coal | 1 | 0.06% | 35.9 | 0.002% |
| Common mineral, Sand, Gravel, Rock | 1 | 0.06% | 32.1 | 0.002% |
| Fluorite, limestone | 1 | 0.06% | 26.6 | 0.001% |
| Magnesite | 1 | 0.06% | 26.5 | 0.001% |
| Coal, Clay | 1 | 0.06% | 26.4 | 0.001% |
| Copper, Common Mineral, Gravel | 1 | 0.06% | 26.0 | 0.001% |
| Common Mineral | 1 | 0.06% | 21.3 | 0.001% |
| Construction materials, Common mineral | 1 | 0.06% | 18.6 | 0.001% |

Source: Cadastre Division, MRPAM

1.6. REGISTERED AREA, давхардсан байдлаар, 2022.IX.30, by mln.ha, overlap

| | Hectare | Share of total territory |
|---|---------|--------------------------|
| Valid mining licensed area | 1.8 | 1.2% |
| Valid exploration licensed area | 4.1 | 2.6% |
| State protected area | 33.9 | 21.7% |
| Special purpose area | 34.3 | 21.9% |
| 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, 2022.IX.30, by provinces

| | Area | | Area size | |
|--------------|------------|----------------|---------------|----------------|
| | Number | Share to total | Hectare | Share to total |
| TOTAL | 262 | 100% | 1063.7 | 100% |
| Arkhangai | 1 | 0.4% | 4.75 | 0.4% |
| Bayan-Ulgii | 2 | 0.8% | 53.74 | 5.1% |
| Bayankhongor | 57 | 21.8% | 152.25 | 14.3% |
| Bulgan | 29 | 11.1% | 126.36 | 11.9% |
| Govi-Altai | 1 | 0.4% | 5.71 | 0.5% |
| Darkhan Uul | 6 | 2.3% | 16.56 | 1.6% |
| Dornogovi | 2 | 0.8% | 9.57 | 0.9% |
| Dornod | 2 | 0.8% | 26.25 | 2.5% |
| Dundgovi | 13 | 5.0% | 104.52 | 9.8% |
| Uvurkhangai | 20 | 7.6% | 39.71 | 3.7% |
| Umnugovi | 20 | 7.6% | 86.29 | 8.1% |
| Selenge | 52 | 19.8% | 220.05 | 20.7% |
| Tuv | 12 | 4.6% | 78.31 | 7.4% |
| Ulaanbaatar | 5 | 1.9% | 18.96 | 1.8% |
| Khovd | 4 | 1.5% | 11.25 | 1.1% |
| Khentii | 36 | 13.7% | 109.42 | 10.3% |

Source: Cadastre Division, MRPAM

1.8. ORIGIN OF LICENSE HOLDERS, 2022.IX.30

| | Holder | License | Area size | |
|------------------------|-------------|-------------|--------------------|----------------|
| | Number | Number | Hectare | Share to total |
| БҮГД | 1649 | 2556 | 5,922,569.9 | 100% |
| Mongolian entities | 1316 | 2024 | 4,353,234.0 | 73.5% |
| 100% foreign entities | 240 | 380 | 1,268,036.0 | 21.4% |
| Joint foreign entities | 93 | 152 | 301,299.9 | 5.1% |

1.9. ORIGIN OF 100% FOREIGN LICENSE HOLDERS, 2022.IX.30, by countries

| | Holder | License | Area size | |
|---------------------------|------------|------------|--------------------|----------------|
| | Number | Number | Hectare | Share to total |
| TOTAL | 240 | 380 | 1,268,036.0 | 100% |
| China | 131 | 165 | 402,199.0 | 31.72% |
| Virgin Islands | 25 | 45 | 85,811.7 | 6.77% |
| Canada | 14 | 24 | 255,180.8 | 20.12% |
| Hong Kong | 14 | 29 | 85,448.7 | 6.74% |
| Singapore | 13 | 52 | 317,418.3 | 25.03% |
| South Korea | 11 | 13 | 17,780.0 | 1.40% |
| Australia | 4 | 4 | 29,059.9 | 2.29% |
| Russia | 4 | 5 | 2,490.4 | 0.20% |
| Great Britain | 3 | 4 | 6,038.7 | 0.48% |
| Japan | 2 | 3 | 3,015.1 | 0.24% |
| Luxemburg | 2 | 6 | 13,528.2 | 1.07% |
| Switzerland | 2 | 3 | 19,929.2 | 1.57% |
| United States of America | 2 | 4 | 2,442.3 | 0.19% |
| Germany | 2 | 2 | 603.9 | 0.05% |
| Holland | 2 | 10 | 6,620.2 | 0.52% |
| Malaysia | 1 | 2 | 2,416.5 | 0.19% |
| Australia, China | 1 | 2 | 8,795.4 | 0.69% |
| Seychelles | 1 | 1 | 375.2 | 0.030% |
| Russia, South Korea | 1 | 1 | 118.2 | 0.009% |
| Thailand | 1 | 1 | 3,027.9 | 0.239% |
| Bulgaria | 1 | 1 | 3,700.9 | 0.29% |
| Virgin Islands, Singapore | 1 | 1 | 1,934.0 | 0.15% |
| Great Britain, China | 1 | 1 | 54.2 | 0.004% |
| Russia, China | 1 | 1 | 47.5 | 0.004% |

Source: Cadastre Division, MRPAM

1.10. ORIGIN OF JOINT FOREIGN LICENSE HOLDERS, 2022.IX.30, by countries

| | Holder | License | Area size | |
|---|-----------|------------|------------------|----------------|
| | Number | Number | Hectare | Share to total |
| TOTAL | 93 | 152 | 301,299.9 | 100% |
| Mongolia, China | 37 | 50 | 30,591.4 | 10.2% |
| Mongolia, South Korea | 10 | 14 | 27,073.3 | 9.0% |
| Mongolia, Singapore | 11 | 26 | 48,714.8 | 16.2% |
| Mongolia, Russia | 8 | 12 | 3,929.1 | 1.3% |
| Mongolia, Virgin Islands | 5 | 7 | 24,787.6 | 8.2% |
| Mongolia, Japan | 5 | 13 | 47,640.0 | 15.8% |
| Mongolia, Germany | 2 | 3 | 5,748.1 | 1.9% |
| Mongolia, Hong Kong | 2 | 7 | 23,454.2 | 7.8% |
| Mongolia, Czech Republic | 2 | 4 | 17,911.4 | 5.9% |
| 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, Singapore, Hong Kong | 1 | 1 | 1,469.5 | 0.5% |
| Mongolia, Hong Kong, Japan | 1 | 3 | 43,809.3 | 14.5% |
| Mongolia, Poland | 1 | 1 | 1,561.3 | 0.5% |
| Mongolia, Russia, Ukraine | 1 | 1 | 46.9 | 0.0% |
| Mongolia, Hungary | 1 | 1 | 87.4 | 0.0% |
| Mongolia, Kazakhstan | 1 | 1 | 1,789.4 | 0.59% |
| Mongolia, Luxemburg | 1 | 2 | 10,011.2 | 3.3% |
| Mongolia, Canada, China | 1 | 1 | 6,352.8 | 2.1% |
| Mongolia, Great Britain | 1 | 1 | 1,472.0 | 0.5% |

Source: Cadastre Division, MRPAM

1.11. PLEDGING LICENSES, 2022.IX.30, by bank and non-bank financial institute

| | License | | Area | |
|--|------------|----------------|------------------|----------------|
| | Number | Share to total | Hectare | Share to total |
| TOTAL | 235 | 100% | 222,589.8 | 100% |
| Trade and Development Bank | 45 | 19.1% | 30,350.1 | 13.6% |
| Golomt Bank | 31 | 13.2% | 23,321.2 | 10.5% |
| Development Bank of Mongolia | 25 | 10.6% | 18,914.8 | 8.5% |
| HAAN Bank | 19 | 8.1% | 5,506.3 | 2.5% |
| ABTS NBFi | 17 | 7.2% | 28,681.7 | 12.9% |
| Transport Development bank | 10 | 4.3% | 7,238.0 | 3.3% |
| Capital Bank | 9 | 3.8% | 1,098.2 | 0.5% |
| XAC Bank | 8 | 3.4% | 2,463.6 | 1.1% |
| European Bank for Reconstruction and Development | 7 | 3.0% | 2,658.5 | 1.2% |
| Capitron bank | 7 | 3.0% | 7,204.4 | 3.2% |
| Chinggis Khan Bank | 6 | 2.6% | 2,509.5 | 1.1% |
| Anod Bank | 6 | 2.6% | 6,971.8 | 3.1% |
| Golomt, Saving, Zoos, Anod Banks | 6 | 2.6% | 3,277.7 | 1.5% |
| Khutult nomgon NBFi | 3 | 1.3% | 279.1 | 0.1% |
| GSB capital NBFi | 3 | 1.3% | 9,884.4 | 4.4% |
| Bank of China | 3 | 1.3% | 871.6 | 0.4% |
| State Bank | 2 | 0.9% | 271.7 | 0.1% |
| Great Capital NBFi | 2 | 0.9% | 1,180.5 | 0.5% |
| National Investment Bank | 2 | 0.9% | 805.0 | 0.4% |
| Ulaanbaatar City bank | 2 | 0.9% | 789.7 | 0.4% |
| First lithium Corporation NBFi | 2 | 0.9% | 17,131.1 | 7.7% |
| Bilegnasan NBFi | 2 | 0.9% | 32,711.7 | 14.7% |
| Erel bank | 2 | 0.9% | 150.3 | 0.1% |
| Ecocapital NBFi | 1 | 0.4% | 583.4 | 0.3% |
| Saving bank | 1 | 0.4% | 1,773.7 | 0.8% |
| Jet finance NBFi | 1 | 0.4% | 56.8 | 0.0% |
| Export-Import Bank of China | 1 | 0.4% | 275.0 | 0.1% |
| RUS Finance NBFi | 1 | 0.4% | 148.9 | 0.1% |
| Mongol Post bank | 1 | 0.4% | 86.6 | 0.0% |
| Khas Khaan NBFi | 1 | 0.4% | 227.5 | 0.1% |
| Standard Chartered Bank | 1 | 0.4% | 8,489.9 | 3.8% |
| Business-Invest Development NBFi | 1 | 0.4% | 1,791.4 | 0.8% |
| Credit Express NBFi | 1 | 0.4% | 235.6 | 0.1% |
| Munkh OrshiKh Capital NBFi | 1 | 0.4% | 178.1 | 0.1% |
| Kherlen Onon Tuul NBFi | 1 | 0.4% | 1,767.2 | 0.8% |
| Achit Capital NBFi | 1 | 0.4% | 9.0 | 0.0% |
| Gasprom bank | 1 | 0.4% | 368.3 | 0.2% |
| Turquoise Finance NBFi | 1 | 0.4% | 673.4 | 0.3% |
| Bayasakh Sonor NBFi | 1 | 0.4% | 1,654.2 | 0.7% |

Source: Cadastre Division, MRPAM

1.12. LIST OF LICENSE HOLDERS WITH 10 AND ABOVE LICENSES, 2022.IX.30

| No | Name of entity | Number of license | Area size /ha/ | Company type | Nationality |
|----|----------------------------|-------------------|----------------|-------------------------------------|---------------------|
| 1 | Mongolroscvetmet | 27 | 15,803.2 | mongolian legal entity | Mongolia |
| 2 | Mongolyn alt Mak | 24 | 57,090.7 | mongolian legal entity | Mongolia |
| 3 | Tsaina investment mongolia | 15 | 207,645.0 | Entity with 100% foreign investment | Singapore |
| 4 | Gatsuurt | 15 | 8,488.1 | mongolian legal entity | Mongolia |
| 5 | Burdel mining | 13 | 2,344.4 | mongolian legal entity | Mongolia |
| 6 | Aurum metals | 12 | 51,968.0 | mongolian legal entity | Mongolia |
| 7 | Saker Resource Mongolia | 12 | 7,139.8 | Joint foreign entities | Mongolia, Singapore |
| 9 | Khunnu gobi altai | 12 | 2,206.7 | mongolian legal entity | Mongolia |
| 10 | MAK cement | 11 | 4,119.1 | mongolian legal entity | Mongolia |
| 11 | Platinum land | 11 | 3,621.3 | mongolian legal entity | Mongolia |
| 12 | MB Investo | 10 | 29,686.2 | mongolian legal entity | Mongolia |
| 12 | 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, 2022.IX.30

| No | Name of entity | Number of license | Area size /ha/ | Company type | Nationality |
|----|----------------------------|-------------------|----------------|------------------------------|-------------|
| 1 | Tsaina investment mongolia | 15 | 207,645.0 | 100% foreign invested entity | Singapore |
| 2 | Ion energy | 2 | 111,529.2 | 100% foreign invested entity | Canada |

Source: Cadastre Division, MRPAM

1.14. RECEIVED APPLICATION, 2018-2022, by application type

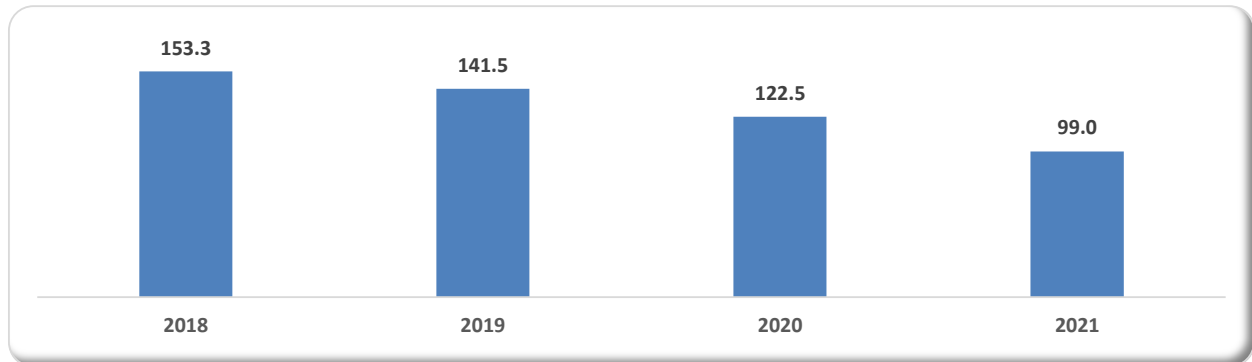
| | 2018 | 2019 | 2020 | 2021 | 2022.I-IX |
|--------------------|-------------|------------|------------|------------|------------|
| TOTAL | 1187 | 698 | 502 | 943 | 450 |
| New license | 226 | 218 | 253 | 463 | 136 |
| Mining | 78 | 73 | 87 | 47 | 24 |
| Exploration | 0 | 0 | 0 | 0 | 0 |
| Tender | 148 | 145 | 166 | 416 | 112 |
| Extension | 657 | 273 | 75 | 337 | 214 |
| Mining | 0 | 0 | 0 | 1 | 1 |
| Exploration | 657 | 273 | 75 | 336 | 213 |
| Transfer | 157 | 72 | 80 | 76 | 55 |
| Mining | 25 | 24 | 32 | 19 | 12 |
| Exploration | 132 | 48 | 48 | 57 | 43 |
| Pledge | 61 | 25 | 28 | 38 | 19 |
| Mining | 58 | 24 | 28 | 34 | 17 |
| Exploration | 3 | 1 | 0 | 4 | 2 |
| Surrender | 86 | 110 | 66 | 29 | 26 |
| Mining | 12 | 12 | 16 | 6 | 11 |
| Exploration | 74 | 98 | 50 | 23 | 15 |

1.15. CHANGES IN LICENSE REGISTRATION, 2018-2022, by license type

| | 2018 | 2019 | 2020 | 2021 | 2022.I-IX |
|--------------------------------------|------------|------------|------------|------------|------------|
| New license | 85 | 130 | 90 | 163 | 83 |
| Mining | 61 | 59 | 55 | 54 | 32 |
| Exploration | 5 | 0 | 8 | 0 | 1 |
| Tender | 19 | 71 | 27 | 109 | 50 |
| Surrendered | 91 | 93 | 71 | 26 | 24 |
| Mining | 11 | 11 | 16 | 4 | 9 |
| Exploration | 80 | 82 | 55 | 22 | 15 |
| Canceled | 181 | 189 | 140 | 75 | 41 |
| Mining | 33 | 70 | 52 | 30 | 19 |
| Exploration | 148 | 119 | 88 | 45 | 22 |
| Expired | 209 | 199 | 133 | 120 | 77 |
| Transferred | 172 | 71 | 83 | 74 | 58 |
| Mining | 38 | 24 | 35 | 16 | 14 |
| Exploration | 134 | 47 | 48 | 58 | 44 |
| Extended | 566 | 300 | 68 | 246 | 277 |
| Pledged | 56 | 23 | 27 | 38 | 19 |
| Mining | 53 | 23 | 27 | 34 | 17 |
| Exploration | 3 | 0 | 0 | 4 | 2 |
| Terminated pledges | 27 | 31 | 28 | 16 | 21 |
| Mining | 26 | 30 | 28 | 16 | 20 |
| Exploration | 1 | 1 | 0 | 0 | 1 |
| Re-issue of license documents | 40 | 27 | 17 | 11 | 6 |
| Mining | 13 | 14 | 11 | 5 | 4 |
| Exploration | 27 | 13 | 6 | 6 | 2 |

Source: Cadastre Division, MRPAM

2.1. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2018-2021 (2022.VI.25)



2.2. GEOLOGICAL AND EXPLORATION SURVEY CONDUCTED AT EXPENSES OF THE EXPLORATION LICENSE, 2020-2021 (2022.VI.25), by million MNT and type work

| | 2020 | | 2021 | |
|----------------------------------|------------------|----------------|-----------------|----------------|
| | Total amount | Share to total | Total amount | Share to total |
| TOTAL | 122,517.4 | 100% | 99,046.0 | 100% |
| Preparation | 2,622.5 | 2.1% | 2,745.9 | 2.8% |
| Mapping | 2,003.8 | 1.6% | 1,488.4 | 1.5% |
| Geological survey | 1,590.3 | 1.3% | 1,138.6 | 1.1% |
| Sampling | 875.8 | 0.7% | 915.1 | 0.9% |
| Geophysical work | 6,660.0 | 5.4% | 3,479.7 | 3.5% |
| Mining | 10,403.5 | 8.5% | 845.3 | 0.9% |
| Drilling | 64,405.0 | 52.6% | 62,652.7 | 63.3% |
| Indoor, laboratory investigation | 7,068.6 | 5.8% | 2,998.2 | 3.0% |
| Laboratory | 11,068.0 | 9.0% | 6,652.4 | 6.7% |
| Transport | 2,300.0 | 1.9% | 2,231.3 | 2.3% |
| Topogeodetic work | 3,491.7 | 2.8% | 656.7 | 0.7% |
| Hydrogeological work | 1,048.0 | 0.9% | 992.0 | 1.0% |
| Geoecological survey | 1,081.7 | 0.9% | 69.4 | 0.1% |
| Archeology | 570.7 | 0.5% | 344.7 | 0.3% |
| Environment reclamation | 380.5 | 0.3% | 397.4 | 0.4% |
| Field sampling | 319.5 | 0.3% | 4,958.5 | 5.0% |
| Assume expenses | 6,231.9 | 5.1% | 491.7 | 0.5% |
| Other | 396.0 | 0.3% | 5,988.0 | 6.0% |

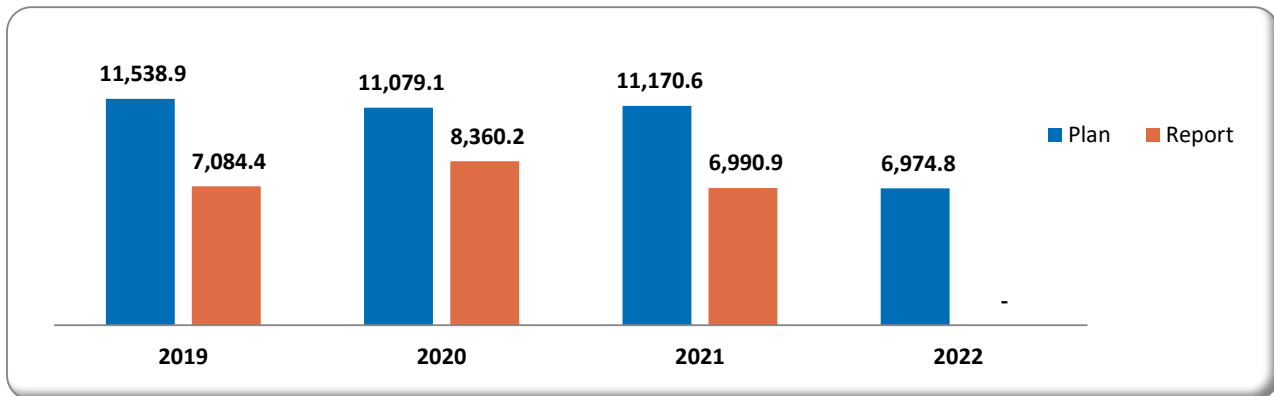
Source: Geology and Exploration Division, MRPAM

3 | MINING

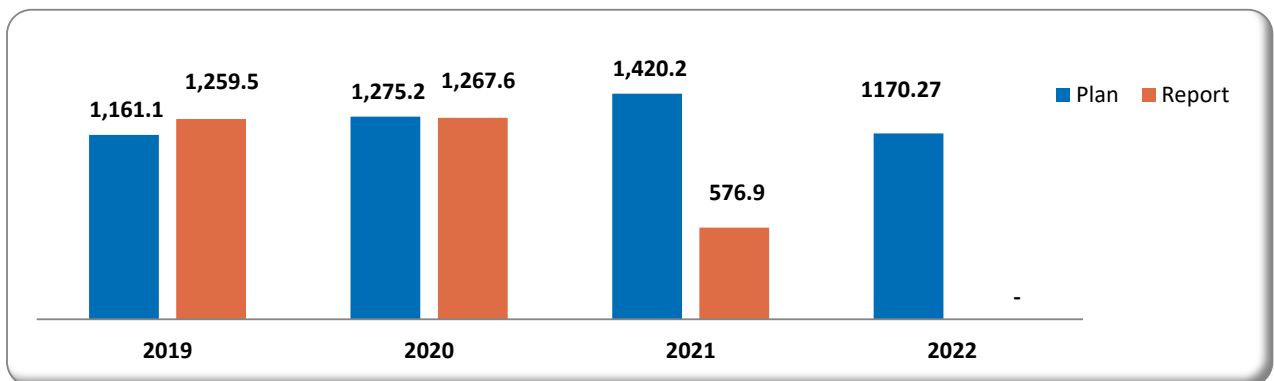
3.1. MINERAL MINING ACTIVITY PLAN AND REPORT OFFICIAL STATUS, 2018-2022, (2022.IX.05)

| | Plan | | | Report | | |
|------|-----------|--------|----------|-----------|--------|----------|
| | Submitted | Formal | Formal % | Submitted | Formal | Formal % |
| 2018 | 488 | 388 | 79.5% | 278 | 261 | 93.9% |
| 2019 | 515 | 420 | 81.6% | 288 | 261 | 90.6% |
| 2020 | 491 | 363 | 73.9% | 252 | 216 | 85.7% |
| 2021 | 523 | 410 | 78.4% | 278 | 172 | 61.9% |
| 2022 | 502 | 430 | 85.7% | - | - | - |

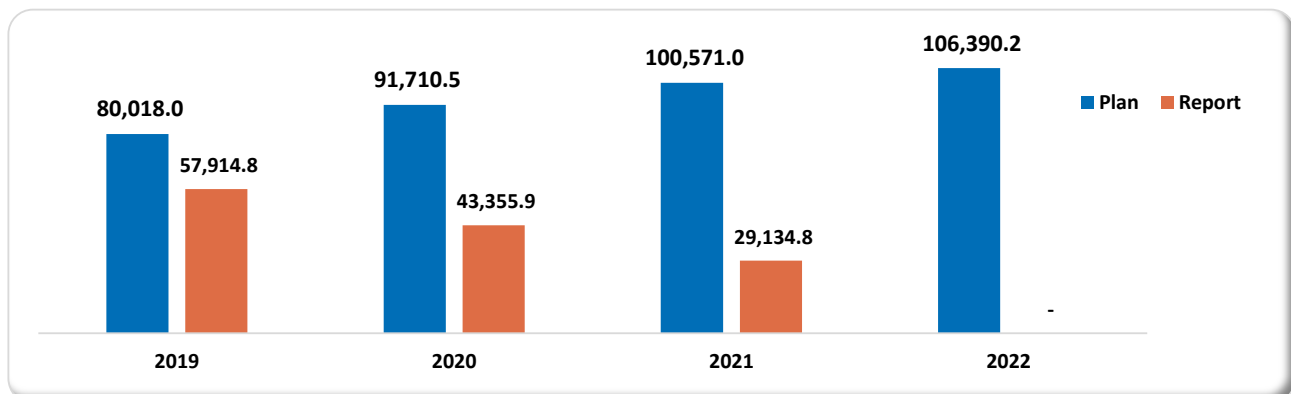
3.2. GOLD PRODUCTION, 2019-2021, (2022.IX.05), by kg, mined from hard rock and placer deposits



3.3. COPPER CONCENTRATE PRODUCTION, 2019-2021, (2022.IX.05), by ths.tons



3.4. COAL PRODUCTION, 2019-2021, (2022.IX.05), by ths tons



Source: Mining Division, MRPAM

3.5. MINERAL PRODUCTION, 2021-2022 (2022.IX.30), by mineral type

| | Unit of measurement | 2021 | | 2022 | |
|--|---------------------|-----------|----------|-----------|--------|
| | | Plan | Report | Plan | Report |
| Gold (Total) | kg | 46,146.6 | 7,254.0 | 11,875.4 | - |
| Gold (Amount of gold that accompanies the concentrate) | kg | 34,975.9 | 263.1 | 4,900.6 | - |
| Gold (Total amount of gold to be mined from hard rock and placer deposits) | kg | 11,170.6 | 6,990.9 | 6,974.8 | - |
| Gold (Amount of gold to be extracted from the hard rock) | kg | 4,793.5 | 2,550.6 | 4,747.6 | - |
| Gold (Amount of gold to be mined from placer deposits) | kg | 6,377.1 | 4,440.3 | 2,227.2 | - |
| Building materials | | | | | |
| Lime | ths.tons | 125.7 | 2.6 | 560.0 | - |
| Limestone | ths.tons | 1,360.7 | 380.8 | 1,269.8 | - |
| Clinker | ths.tons | 26.6 | - | - | - |
| Cement | ths.tons | 1,950.0 | 711.4 | 1,890.3 | - |
| Mineral powder | ths.tons | 31.0 | - | - | - |
| Crystal | ths.tons | 6.1 | - | - | - |
| Marble | ths.tons | 256.8 | - | - | - |
| Gypsum | ths.tons | 173.5 | 111.4 | 117.4 | - |
| Tungsten | tons | 1,628.9 | - | 602.9 | - |
| Copper concentrate | ths.tons | 1,420.2 | 576.9 | 1,170.3 | - |
| Copper (Cathode) | tons | 7.8 | 7.8 | - | - |
| Manganese | ths.tons | 208.7 | - | 75.6 | - |
| Molybdenum concentrate | ths.tons | 5.0 | - | 5.0 | - |
| Silver | - | - | - | - | - |
| Silver bullion (oblong) | kg | 9,890.7 | 2,386.6 | 10,898.3 | - |
| Silver concentrate | ths.tons | 7.8 | 3.3 | 6.9 | - |
| Silver ore | ths.tons | - | 127.3 | - | - |
| Amount of silver accompanying the concentrate | kg | 73,329.3 | 46,136.5 | 63,080.0 | - |
| Iron | ths.tons | 15,166.9 | 8,418.1 | 8,377.1 | - |
| Whole iron concentrate | ths.tons | 5,162.5 | 3,770.7 | 3,603.5 | - |
| Iron powder concentrate | ths.tons | 7,308.4 | 2,865.5 | 4,773.6 | - |
| Iron ore | ths.tons | 1,002.0 | 1,781.9 | - | - |
| Powdered iron ore | ths.tons | 1,694.0 | - | - | - |
| Uranium Yellow powder | tons | 29.8 | 11.2 | - | - |
| Amount of uranium in yellow powder | tons | 11.1 | 4.2 | - | - |
| Fluorite | ths.tons | 2,200.7 | 417.0 | 547.2 | - |
| Fluorite concentrate AG-97 | ths.tons | 211.5 | 23.1 | - | - |
| Fluorite concentrate AG-95 | ths.tons | 91.4 | 31.1 | 27.9 | - |
| Gravitational fluorite МГФ 55-85 | ths.tons | - | 0.1 | 16.0 | - |
| Whole fluorite MG-92 | ths.tons | 46.7 | 5.9 | 9.3 | - |
| Whole fluorite MG-85 | ths.tons | 81.9 | 0.1 | 12.1 | - |
| Whole fluorite MG-80 | ths.tons | 5.3 | 0.2 | - | - |
| Whole fluorite MG-75 | ths.tons | 222.9 | 21.6 | 108.2 | - |
| Whole fluorite MG-65 | ths.tons | 9.5 | 31.6 | 40.1 | - |
| Fluorite ore ФР | ths.tons | 1,531.7 | 303.3 | 333.6 | - |
| Blue lead | ths.tons | 17.2 | 20.7 | 16.6 | - |
| Polishing stone | ths.tons | 26.8 | 75.6 | - | - |
| Tin | tons | 78.2 | - | - | - |
| Zinc | ths.tons | 112.9 | 112.4 | 91.8 | - |
| Zeolite | ths.tons | - | - | - | - |
| Coal production | ths.tons | 100,571.0 | 29,134.8 | 106,390.2 | - |

Source: Mining Division, MRPAM

3.6. REHABILITATION WORK BY MINING LICENSE HOLDERS, 2017-2021 (2022.VI.09)*

| | Unit | 2018 | 2019 | 2020 | 2021* |
|---|---------|----------|----------|---------|---------|
| Area covered by mining | ha | 7,837.9 | 7,078.9 | 8,434.6 | 524.6 |
| Area covered by technical rehabilitation | ha | 1,767.3 | 1,927.6 | 2,069.6 | 380.8 |
| Of which: External stockpile | ha | 1,018.4 | 1,198.2 | 1,548.0 | 107.6 |
| Internal stockpile | ha | 748.9 | 729.8 | 521.7 | 273.3 |
| Area covered by biological rehabilitation | ha | 790.5 | 704.8 | 623.6 | 229.4 |
| Area of abusive protection rehabilitation | ha | 17,459.3 | 19,144.3 | 236.6 | 6,894.5 |
| Area of remodeling the mine and rehabilitation of the village | ha | 62.3 | 57.1 | 50.5 | 17.89 |
| Expenses for rehabilitation | bln.MNT | 22.2 | 28.7 | 21.3 | 26.1 |
| Environmental expenses | bln.MNT | 10.8 | 15.8 | 16.8 | 7.4 |

3.7. AREA COVERED BY MINING AND REHABILITATION AREA IN 2021, (2022.VI.09)* by provinces

| | Number of entities | Area covered by mining | | Area covered by technical rehabilitation | | Area covered by biological rehabilitation | |
|--------------|--------------------|------------------------|----------------|--|----------------|---|----------------|
| | | Hectare | Share to total | Hectare | Share to total | Hectare | Share to total |
| TOTAL | 87 | 524.7 | 100% | 380.8 | 100% | 229.5 | 100% |
| Arkhangai | 1 | 6.6 | 1.3% | 15.0 | 3.9% | 26.0 | 11.3% |
| Bayan-Ulgii | 1 | 1.3 | 0.2% | 0.0 | 0.0% | 0.0 | 0.0% |
| Bayankhongor | 6 | 11.6 | 2.2% | 0.8 | 0.2% | 4.5 | 2.0% |
| Bulgan | 6 | 27.0 | 5.1% | 13.4 | 3.5% | 21.0 | 9.1% |
| Govi-Altai | 3 | 11.7 | 2.2% | 1.0 | 0.3% | 0.0 | 0.0% |
| Darkhan Uul | 3 | 5.1 | 1.0% | 25.8 | 6.8% | 4.9 | 2.1% |
| Dornogovi | 8 | 55.3 | 10.5% | 0.0 | 0.0% | 0.0 | 0.0% |
| Dornod | 4 | 1.8 | 0.3% | 0.0 | 0.0% | 15.5 | 6.8% |
| Dundgovi | 5 | 24.5 | 4.7% | 8.2 | 2.1% | 2.0 | 0.9% |
| Zavkhan | 2 | 13.7 | 2.6% | 13.3 | 3.5% | 10.3 | 4.5% |
| Orkhon | 1 | 0.0 | 0.0% | 0.0 | 0.0% | 0.5 | 0.2% |
| Uvurkhangai | 5 | 15.0 | 2.8% | 59.7 | 15.7% | 15.2 | 6.6% |
| Umnugovi | 7 | 47.7 | 9.1% | 12.1 | 3.2% | 14.4 | 6.3% |
| Sukhbaatar | 3 | 0.0 | 0.0% | 33.4 | 8.8% | 0.0 | 0.0% |
| Selenge | 5 | 102.0 | 19.4% | 39.3 | 10.3% | 25.2 | 11.0% |
| Tuv | 18 | 115.1 | 21.9% | 155.9 | 40.9% | 86.9 | 37.9% |
| Khovd | 1 | 78.8 | 15.0% | 0.0 | 0.0% | 1.1 | 0.5% |
| Khentii | 8 | 7.6 | 1.4% | 2.9 | 0.8% | 2.0 | 0.9% |

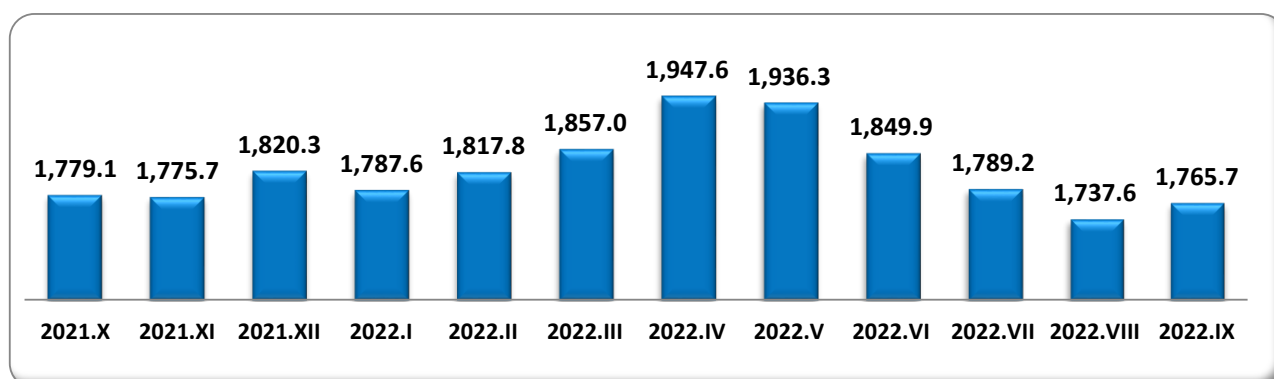
Based on data from the 2020 Mining Report for Minerals Other than Common Minerals.

Source: Mining Division, MRPAM

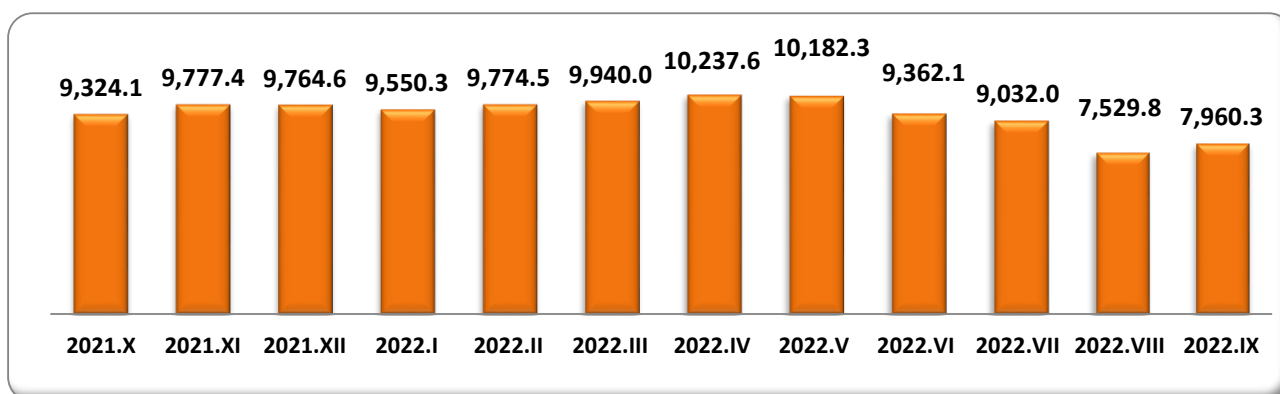
3.8. AVERAGE OF MINERAL PRICES ON THE WORLD MARKET, 2021-2022

| | Unit of measurement | 2021.IX | 2022.VIII | 2022.IX | <u>2022.IX</u> 2021.IX | <u>2022.IX</u> 2022.VIII |
|----------------------------|---------------------|----------|-----------|----------|---------------------------|-----------------------------|
| Gold | \$/ounce | 1,806.5 | 1,789.2 | 1,737.6 | 96.2% | 97.1% |
| Silver | \$/ounce | 25.8 | 21.5 | 19.1 | 74.1% | 88.7% |
| Copper | \$/tons | 9,433.6 | 9,032.0 | 7,529.8 | 79.8% | 83.4% |
| Zinc | \$/tons | 2,943.0 | 3,643.3 | 3,097.2 | 105.2% | 85.0% |
| Blue lead | \$/tons | 2,337.0 | 2,066.7 | 1,976.3 | 84.6% | 95.6% |
| Tin | \$/tons | 34,183.0 | 31,749.9 | 25,173.1 | 73.6% | 79.3% |
| Molybdenum | \$/tons | 40,599.1 | 38,286.5 | 31,239.5 | 76.9% | 81.6% |
| Manganese 36% | \$/tons | 190.9 | 211.1 | 210.5 | 110.3% | 99.7% |
| Tungsten, 99% | \$/tons | 38,090.0 | 42,880.0 | 42,450.0 | 111.4% | 99.0% |
| Tungsten, 65% | \$/tons | 16,261.8 | 16,036.9 | 16,298.7 | 100.2% | 101.6% |
| Iron ore 56% | \$/tons | 162.7 | 85.5 | 76.5 | 47.0% | 89.5% |
| Iron ore 60% concentrate | \$/tons | 195.4 | 114.2 | 95.8 | 49.0% | 83.9% |
| Fluorite concentrate AG-97 | \$/tons | 300.0 | 370.0 | 355.0 | 118.3% | 95.9% |
| Fluorite ore MG-85 | \$/tons | 300.0 | 370.0 | 355.0 | 118.3% | 95.9% |
| Uranium | \$/kg | 71.4 | 109.7 | - | - | - |

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

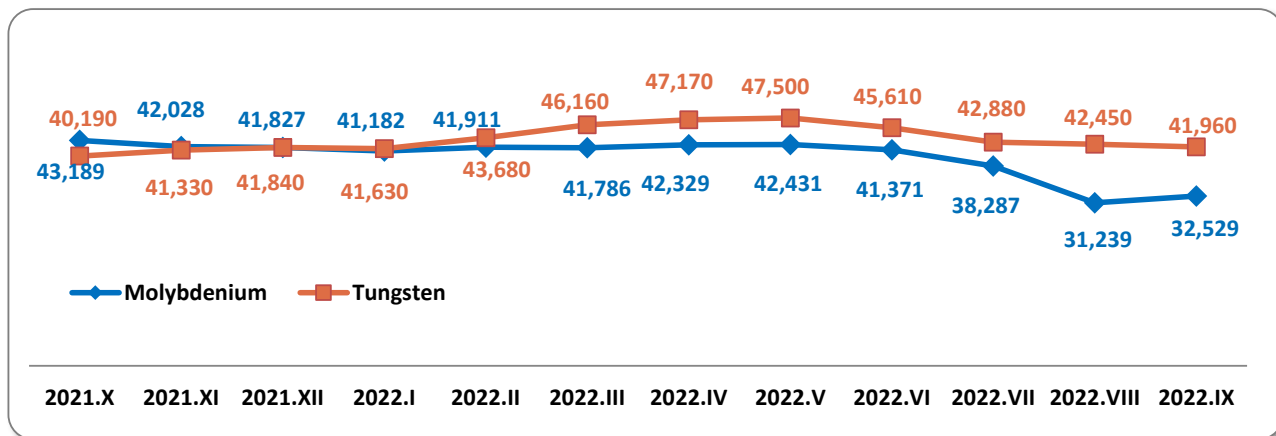


3.10. AVERAGE PRICE OF COPPER ON THE WORLD MARKET, in last 12 months, by US\$/tons

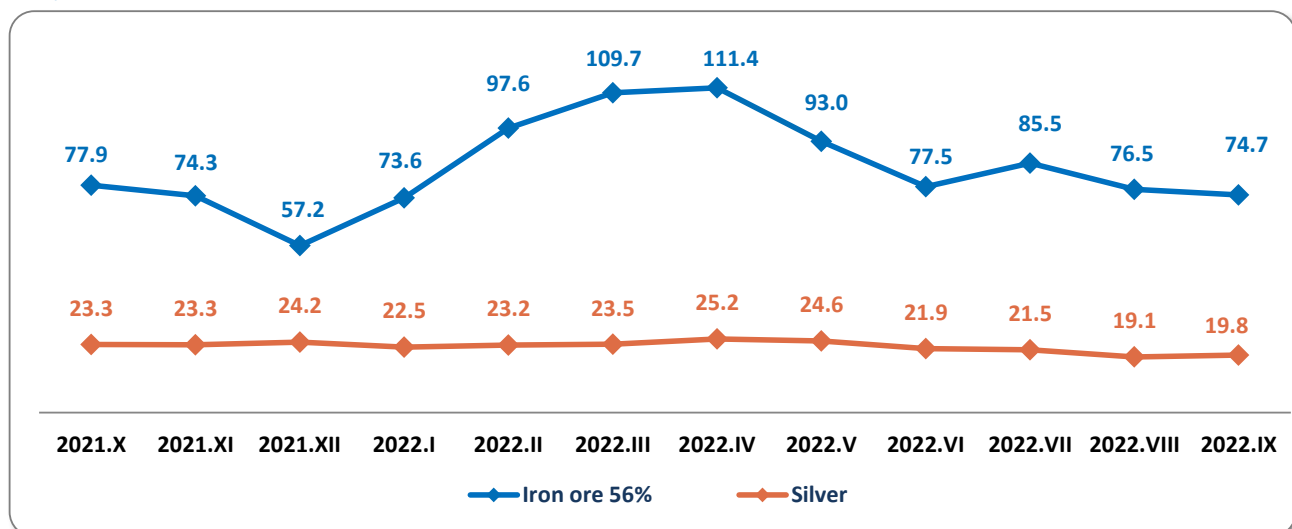


Source: www.kitco.com, www.westmetall.com, www.lme.com, www.asianmetal.com, www.lndmin.com, www.umetal.com, www.sxcoal.com

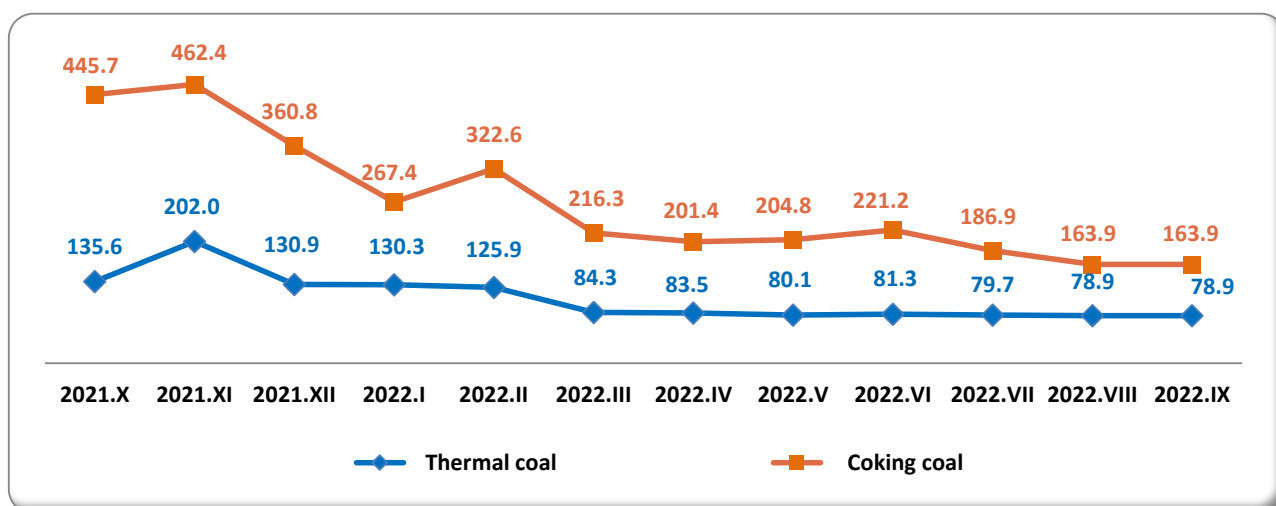
3.11. AVERAGE PRICE OF TIN, MOLYBDENUM AND TUNGSTEN ON THE WORLD MARKET, in last 12 months, by US\$/tons



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



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



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

3.14. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2022

| | Stock exchange | Symbol | Currency | Average price | | | | | | Market value /2022.X.03/ |
|---|----------------|----------|----------|---------------|---------|-----------|---------|---------------------------|-----------------------------|--------------------------|
| | | | | 2021 | 2021.IX | 2022.VIII | 2022.IX | <u>2022.IX</u> 2021.IX | <u>2022.IX</u> 2022.VIII | |
| Turquoise Hill Resources Ltd. | NYQ | TRQ | USD | 15.3 | 14.91 | 25.62 | 30.67 | 205.7% | 119.7% | 6.018B |
| Peabody Energy Corporation | NYQ | BTU | USD | 8.74 | 15.90 | 23.45 | 22.72 | 142.9% | 96.9% | 3.572B |
| Rio Tinto plc | LSE | RIO.L | GBP | 5,599.4 | 5303.0 | 4,893.6 | 4,773.3 | 90.0% | 97.5% | 79.344B |
| Mongolia Energy Corporation Limited | HKG | 0276.HK | HKD | 1.03 | 0.93 | 1.4 | 1.4 | 147.3% | 100.0% | 257.733M |
| Mongolian Mining Corporation | HKG | 0975.HK | HKD | 2.29 | 3.29 | 1.96 | 2.05 | 62.3% | 104.6% | 1.873B |
| South Gobi Resources Ltd. | HKG | 1878.HK | HKD | 1.32 | 1.81 | 1.21 | 1.18 | 65.2% | 97.5% | 247.043M |
| Centerra Gold Inc. | TOR | CG.TO | CAD | 10.6 | 9.07 | 6.64 | 5.80 | 63.9% | 87.3% | 1.338B |
| Erdene Resource Development Corporation | TOR | ERD.TO | CAD | 0.4 | 0.41 | 0.32 | 0.30 | 73.2% | 93.8% | 92.31M |
| Entrée Resources Ltd. | TOR | ETG.TO | CAD | 0.8 | 0.90 | 0.79 | 0.95 | 105.6% | 120.3% | 177.16M |
| Silver Elephant Mining Corp. | TOR | ELEF.TO | CAD | 0.33 | 0.25 | 0.59 | 0.56 | 224.0% | 94.9% | 13.907M |
| Steppe Gold Ltd | TOR | STGO.TO | CAD | 1.82 | 1.42 | 1.09 | 1.02 | 71.8% | 93.6% | 69.549M |
| Kincora Copper Limited | VAN | KCC.V | CAD | 0.21 | 0.16 | 0.06 | 0.05 | 31.3% | 83.3% | 6.147M |
| Altan Rio Minerals Limited | VAN | AMO.V | CAD | 0.148 | 0.14 | 0.09 | 0.06 | 43.5% | 66.7% | 5.433M |
| Xanadu Mines Limited | ASX | XAM.AX | AUD | 0.07 | 0.03 | 0.03 | 0.03 | 100.0% | 103.4% | 40.956M |
| Aspire Mining Limited | ASX | AKM.AX | AUD | 0.086 | 0.08 | 0.09 | 0.10 | 125.0% | 111.1% | 50.764M |
| Haranga Resources Limited | ASX | HAR.AX | AUD | - | - | 0.17 | 0.19 | - | 111.8% | 10.521M |
| Tian Poh Resources Limited | ASX | TPO.AX | AUD | 0.038 | 0.05 | 0.05 | 0.05 | 100.0% | 100.0% | 17.393M |
| TerraCom Limited | ASX | TER.AX | AUD | 0.14 | 0.16 | 0.90 | 1.02 | 637.5% | 113.3% | 819.506M |
| Viking Mines Limited | ASX | VKA.AX | AUD | 0.03 | 0.02 | 0.01 | 0.01 | 50.0% | 100.0% | 7.177M |
| Banpu Public Company Limited | SET | BANPU.BK | THB | 11.83 | 11.82 | 13.70 | 13.60 | 115.1% | 99.3% | 83.223B |
| Petro Matad Limited | LSE | MATD.L | GBP | 3.89 | 2.77 | 2.40 | 2.60 | 93.9% | 108.3% | 20.132M |
| Wolf Petroleum Limited | ASX | WOF.AX | AUD | - | - | - | - | - | - | - |
| Elixir Energy Limited | ASX | EXR.AX | AUD | 0.26 | 0.24 | 0.15 | 0.16 | 66.7% | 106.7% | 145.99M |

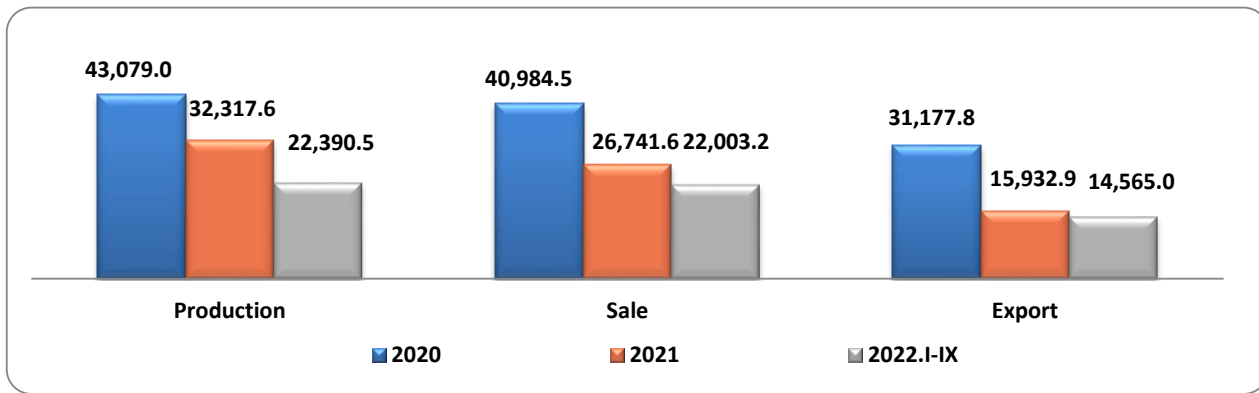
Source: www.nyse.com, www.londonstockexchange.com, www.hkex.com.hk, www.tmx.com, www.tsx.com, www.asx.com.au, www.set.or.th

3.15. LIST OF COMPANIES REGISTERED WITH INTERNATIONAL STOCK EXCHANGE COMPANIES OPERATING IN MONGOLIA'S MINING SECTOR, 2021-2022

| | Symbol | Average price | | | | | |
|---|--------|---------------|---------|-----------|----------|---------------------------|-----------------------------|
| | | 2021 | 2021.IX | 2022.VIII | 2022.IX | <u>2022.IX</u> 2021.IX | <u>2022.IX</u> 2022.VIII |
| Tavantolgoi | TTL | 7,328.4 | 7,848.9 | 8,691.1 | 8,382.3 | 106.8% | 96.4% |
| Baganuur | BAN | 1,021.9 | 1,235.3 | 934.8 | - | - | - |
| Shivee-Ovoo | SHV | 1,580.3 | 1,523.0 | 1,443.8 | 1,475.0 | 96.8% | 102.2% |
| Aduunchuluun | ADL | 805.1 | 905.7 | 722.8 | 680.1 | 75.1% | 94.1% |
| Shariin Gol | SHG | 833.1 | 1,122.0 | 617.5 | 540.0 | 48.1% | 87.4% |
| Erdene Resource Development Corporation | ERDN | 840.1 | 917.8 | 801.9 | 783.9 | 85.4% | 97.8% |
| Mogoin gol | BDL | 8,195.8 | - | 8,406.0 | 8,355.0 | - | 99.4% |
| Bayanteeg | BTG | 20,764.3 | - | - | 22,000.0 | - | - |
| Berkh-Uul | BEU | 1,168.7 | 1,391.5 | 975.0 | 1,025.0 | 73.7% | 105.1% |
| Khar Tarvagatai | TVT | 2,398.1 | - | - | - | - | - |
| Taliin Gal | TAL | - | - | - | - | - | - |
| Mongol Basalt | MBW | 163.6 | 209.2 | 208.2 | 216.1 | 103.3% | 103.8% |
| Mongol Ceramic | KEK | 15,557.5 | - | - | 8,372.9 | - | - |
| Silikat | SIL | 31.4 | 43.8 | 28.6 | 21.5 | 49.1% | - |
| Songolon barmat | SSG | 1,572.8 | - | - | - | - | - |
| Remicon | RMC | 23.3 | 24.1 | 21.9 | 21.7 | 90.1% | 99.1% |
| Arig Tal | EER | 2,309.9 | 2,954.0 | 2,707.3 | 2,607.1 | 88.3% | 96.3% |
| Niislel-Urguu | NUR | 1,959.8 | - | - | - | - | - |
| Erchim Bayan-Ulgii | BOE | 1,784.9 | - | - | - | - | - |
| Khukh Gan | HGN | 62.9 | 72.1 | 51.3 | 40.3 | 55.9% | 78.6% |
| Nako Tulsh | NKT | 15.2 | - | - | - | - | - |

Source: www.mse.mn

3.16. COAL PRODUCTION, SALE AND EXPORT, 2020-2022, by ths.tons



3.17. COAL PRODUCTION, SALE AND EXPORT, 2021-2022, by ths.tons

| | Production | Sale | Export |
|--|-----------------|-----------------|-----------------|
| 2021 | 32,317.6 | 26,741.6 | 15,932.9 |
| 2021.I | 4,877.2 | 4,395.0 | 3,285.4 |
| 2021.II | 4,207.7 | 3,550.4 | 2,612.1 |
| 2021.III | 3,742.7 | 3,359.0 | 2,493.1 |
| 2021.IV | 2,962.8 | 1,895.0 | 1,205.2 |
| 2021.V | 2,031.4 | 1,425.0 | 850.4 |
| 2021.VI | 1,478.9 | 1,432.5 | 841.5 |
| 2021.VII | 1,687.1 | 1,597.1 | 1,085.2 |
| 2021.VIII | 1,415.2 | 1,431.5 | 718.1 |
| 2021.IX | 1,769.8 | 1,421.2 | 562.0 |
| 2021.X | 2,835.3 | 1,929.9 | 725.0 |
| 2021.XI | 2,725.8 | 2,467.0 | 985.9 |
| 2021.XII | 2,583.7 | 1,838.0 | 569.0 |
| 2022.I-IX | 22,390.5 | 22,003.2 | 14,565.0 |
| 2022.I | 2,163.5 | 1,636.2 | 443.1 |
| 2022.II | 1,626.4 | 1,571.1 | 503.1 |
| 2022.III | 2,046.8 | 1,949.1 | 981.6 |
| 2022.IV | 2,344.6 | 1,427.2 | 680.0 |
| 2022.V | 1,923.6 | 1,433.9 | 832.1 |
| 2022.VI | 2,129.5 | 2,287.1 | 1,757.4 |
| 2022.VII | 2,304.8 | 2,936.1 | 2,434.6 |
| 2022.VIII | 3,601.9 | 3,821.1 | 3,083.2 |
| 2022.XI | 4,249.4 | 4,941.4 | 3,849.9 |
| <u>2022.IX</u> <u>2021.IX</u> | 240.1% | 347.7% | 685.0% |
| <u>2021.I-IX</u> <u>2021.I-IX</u> | 92.6% | 107.3% | 106.7% |

Source: Mining Division, MRPAM

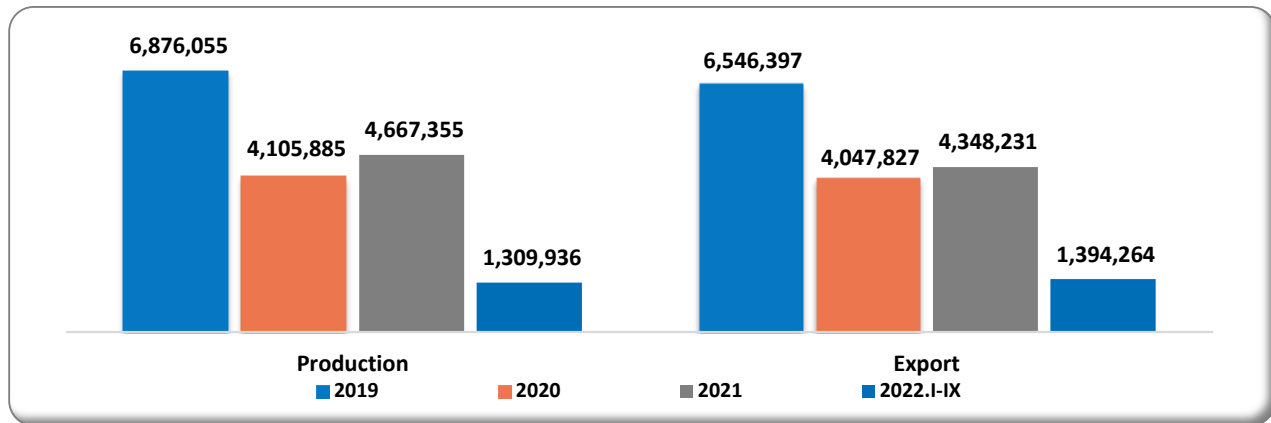
3.18. AVERAGE QUALITY OF EXPORTED COAL, 2022.IX

| Type of coal | Classification | Border name | Deposit name | Gelification index | Volatile matter | Ash | Sulfur value | Total moisture | Calorific value |
|-----------------|--------------------|------------------------|----------------------|--------------------|--------------------|------------------|-------------------------------|------------------|-------------------------|
| | | | | GI | V ^{daf} % | A ^d % | S _t ^d % | W ^t % | Q ^{ar} kcal/kg |
| Antracite | <i>Antracite</i> | | | | | | | | |
| | Antracite | Khangii | Ikh govi Energy | - | - | - | - | - | - |
| Raw coal | <i>Coal</i> | | | | | | | | |
| | Coking | Khangii | Erdenes tavan tolgoi | 82.3 | 27.9 | 18.4 | 1.1 | 2.6 | 6425 |
| | | Gahsuun sukhait | Erdenes tavan tolgoi | 76.6 | 28.8 | 17.3 | 0.9 | 0.8 | 6495 |
| | Tavan tolgoi | | - | - | - | - | - | - | |
| | Weak coking | Khangii | Dadiin khar tolgoi | - | - | - | - | - | - |
| | | Gahsuun sukhait | Tavan tolgoi | - | - | - | - | - | - |
| | | Zamiin uud | Mogoin gol | - | - | - | - | - | - |
| | | Shivee Khuren | Baruun Noyon | - | - | - | - | - | - |
| | Khuren shand | | - | - | - | - | - | - | |
| | Non coking | Khangii | | - | - | - | - | - | - |
| | | Gahsuun sukhait | Erdenes tavan tolgoi | 0.0 | 30.2 | 20.7 | 0.6 | 5.4 | 5511 |
| | | Shivee Khuren | Khuren shand | - | - | - | - | - | - |
| | | | Baruun Noyon | - | - | - | - | - | - |
| | MAK | - | - | - | - | - | - | - | |
| | <i>Washed coal</i> | | | | | | | | |
| | Coking | Gahsuun sukhait | Ukhaa Khudag | - | - | - | - | - | - |
| | | Khangii | Ail bayan | - | - | - | - | - | - |
| | | Yarant | Tefis mining /Khuut/ | - | - | - | - | - | - |
| | Mo En Co | | - | - | - | - | - | - | |
| | Weak coking | Gashuun sukhait | Baruun naran | - | - | - | - | - | - |
| Shivee Khuren | | | - | - | - | - | - | - | |
| Coke, semi-coke | Gahsuun sukhait | Tavan tolgoi trans | - | - | - | - | - | - | |
| Other | Zamiin uud | Dalan | - | - | - | - | - | - | |
| | | Friend ship | - | - | - | - | - | - | |
| | | Achir/Alag togoo | - | - | - | - | - | - | |
| | | Alag togoo | - | - | - | - | - | - | |
| | | Gantig house | - | - | - | - | - | - | |
| | | Goviin shandast khuleg | - | - | - | - | - | - | |
| | | Khuut /Khuuchin and/ | - | - | - | - | - | - | |
| | | Zelter | - | - | - | - | - | - | |
| | | Tsetsens minig | - | - | - | - | - | - | |
| | | Khuut /Big mogul/ | - | - | - | - | - | - | |
| | Shariin gol | - | - | - | - | - | - | | |
| Bichigt | Erdeniin olz | - | - | - | - | - | - | | |
| Coal | Zamiin uud | Tsaidam nuur | - | - | - | - | - | - | |
| | | Khovil | - | - | - | - | - | - | |
| | | Andiin ilch | - | - | - | - | - | - | |
| | | Bilegt bayalag | - | - | - | - | - | - | |
| | Bichigt | Olgoi bulag | - | - | - | - | - | - | |
| | | Khuut buman olz | - | - | - | - | - | - | |
| | | Badmaarag khash | - | - | - | - | - | - | |
| Erdeniin bosgo | - | - | - | - | - | - | | | |

Source: Central Laboratory of Mining and Petroleum, MRPAM

4 | PETROLEUM

4.1. PETROLEUM PRODUCTION AND EXPORT, 2019-2022, by barrel



4.2. PETROLEUM PRODUCTION AND EXPORT, 2021-2022, by barrel

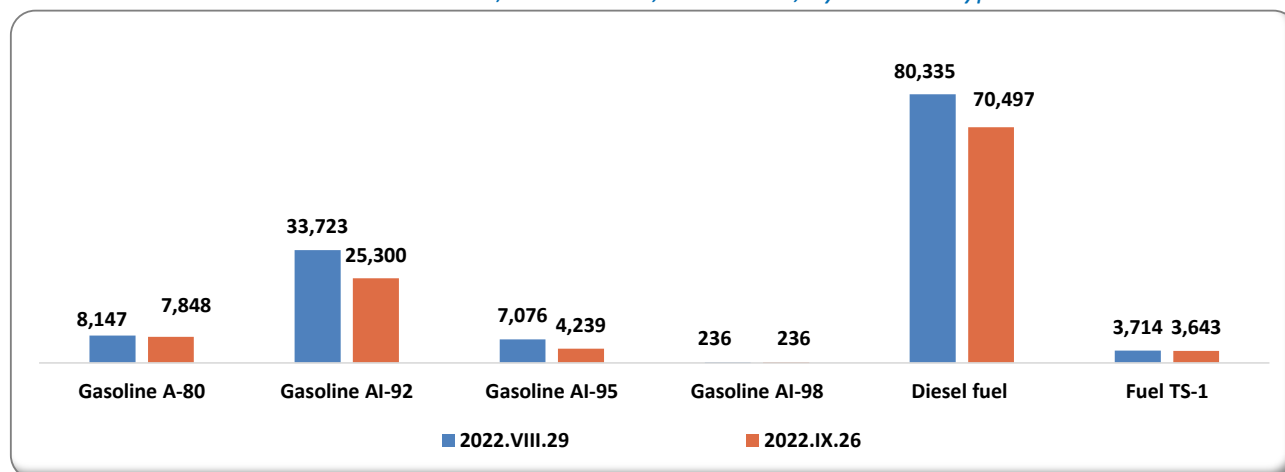
| | Production | | Export | |
|-------------------------|------------------|----------------|------------------|----------------|
| | Barrel | Share to total | Barrel | Share to total |
| 2021 | 4,667,355 | 100% | 4,348,231 | 100% |
| 2021.I | 527,156 | 11.3% | 518,973 | 11.9% |
| 2021.II | 469,647 | 10.1% | 435,559 | 10.0% |
| 2021.III | 511,305 | 11.0% | 466,990 | 10.7% |
| 2021.IV | 496,623 | 10.6% | 468,414 | 10.8% |
| 2021.V | 504,353 | 10.8% | 487,367 | 11.2% |
| 2021.VI | 482,461 | 10.3% | 480,475 | 11.0% |
| 2021.VII | 501,112 | 10.7% | 425,415 | 9.8% |
| 2021.VIII | 414,776 | 8.9% | 341,637 | 7.9% |
| 2021.IX | 51,634 | 1.1% | 81,278 | 1.9% |
| 2021.X | 284,781 | 6.1% | 329,572 | 7.6% |
| 2021.XI | 389,883 | 8.4% | 312,552 | 7.2% |
| 2021.XII | 33,623 | 0.7% | - | - |
| 2022.I-IX | 1,309,936 | 100.0% | 1,394,264 | 100.0% |
| 2022.I | 17,544 | 1.3% | - | - |
| 2022.II | 9,921 | 0.8% | - | - |
| 2022.III | 9,257 | 0.7% | - | - |
| 2022.IV | 1,001 | 0.1% | - | - |
| 2022.V | 1,290 | 0.1% | - | - |
| 2022.VI | 38,184 | 2.9% | 114,102 | 8.2% |
| 2022.VII | 350,388 | 26.7% | 359,232 | 25.8% |
| 2022.VIII | 457,267 | 34.9% | 492,619 | 35.3% |
| 2022.IX | 425,084 | 32.5% | 428,311 | 30.7% |
| <u>2022.IX</u> | 823.3% | - | 527.0% | - |
| <u>2021.IX</u> | | | | |
| <u>2022.I-IX</u> | 33.1% | - | 37.6% | - |
| <u>2021.I-IX</u> | | | | |

Source: Petroleum Exploitation Division, MRPAM

4.3. PETROLEUM PRODUCTS IMPORTING, 2021-2022, by tons and type

| | Total | Gasoline A-80 | Gasoline AI-92 | Gasoline AI-95 | Gasoline AI-98 | Diesel fuel | Fuel TS-1 | Lique- fied gas | Other |
|--------------------------------|------------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|
| 2021 | 1,806,874 | 58,628 | 490,045 | 27,672 | 1,292 | 976,273 | 28,797 | 22,731 | 201,436 |
| 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.IV | 131,984 | 4,241 | 16,839 | 1,829 | 62 | 78,651 | 1,583 | 438 | 28,340 |
| 2021.V | 104,381 | 5,076 | 26,219 | 2,427 | 61 | 52,253 | 2,073 | 318 | 15,954 |
| 2021.VI | 167,237 | 7,994 | 31,340 | 1,656 | 123 | 99,393 | 1,713 | 526 | 24,492 |
| 2021.VII | 170,998 | 3,787 | 46,758 | 571 | - | 90,549 | 1,993 | 243 | 27,098 |
| 2021.VIII | 154,815 | 4,236 | 56,744 | 5,066 | - | 80,081 | 832 | 3,515 | 4,340 |
| 2021.IX | 112,997 | 4,960 | 33,935 | 118 | - | 63,885 | 562 | 1,898 | 7,640 |
| 2021.X | 130,991 | 436 | 43,728 | 5,109 | 119 | 65,044 | 1,789 | 1,929 | 12,836 |
| 2021.XI | 203,881 | 10,129 | 83,990 | 3,513 | 462 | 86,292 | 4,200 | 6,370 | 8,924 |
| 2021.XII | 189,533 | 5,672 | 53,674 | 4,025 | 51 | 99,303 | 1,314 | 5,245 | 20,250 |
| 2022.I-IX | 1,343,280 | 27,851 | 428,562 | 18,343 | 183 | 677,173 | 42,539 | 33,065 | 115,564 |
| 2022.I | 139,456 | 1,229 | 39,498 | 1,769 | - | 83,809 | 1,805 | 2,030 | 9,317 |
| 2022.II | 138,921 | 4,187 | 63,713 | 1,244 | - | 58,792 | 1,492 | 2,904 | 6,588 |
| 2022.III | 133,828 | 4,821 | 55,620 | 3,876 | 122 | 53,989 | 2,396 | 3,433 | 9,571 |
| 2022.IV | 114,043 | 2,254 | 24,945 | 3,391 | 61 | 61,773 | 11,553 | 3,276 | 6,791 |
| 2022.V | 172,740 | 2,382 | 59,583 | 1,949 | - | 83,553 | 4,245 | 3,850 | 17,178 |
| 2022.VI | 187,104 | 4,036 | 48,840 | 2,075 | - | 98,140 | 6,807 | 3,237 | 23,969 |
| 2022.VII | 136,573 | 741 | 51,376 | 1,271 | - | 66,379 | 1,901 | 2,990 | 11,915 |
| 2022.VIII | 166,937 | 6,911 | 44,534 | 1,559 | - | 90,955 | 4,277 | 9,289 | 9,413 |
| 2022.IX | 153,678 | 1,292 | 40,452 | 1,209 | - | 79,785 | 8,062 | 2,058 | 20,821 |
| 2022.IX 2021.IX | 136.0% | 26.0% | 119.2% | 1026.0% | - | 124.9% | 1434.6% | 108.4% | 272.5% |
| 2022.I-IX 2021.I-IX | 104.7% | 65.7% | 138.8% | 122.1% | 27.7% | 93.3% | 197.9% | 359.9% | 72.5% |

4.4. RESIDUE OF PETROLEUM PRODUCTS, 2022.VIII.29, 2022.IX.26, by tons and type



Source: Petroleum Products Division, MRPAM

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

| | New York / WTI | | | London / BRENT | | |
|------------|----------------|--------------------------------------|---------|----------------|--------------------------------------|---------|
| | Price | Change (compared to previous 7 days) | | Price | Change (compared to previous 7 days) | |
| 2022/02/07 | 91.41 | ↑ | 3.70% | 92.95 | ↑ | 1.91% |
| 2022/02/14 | 93.5 | ↑ | 2.29% | 95.78 | ↑ | 3.04% |
| 2022/02/21 | 92.65 | ↓ | -0.91% | 95.39 | ↓ | -0.41% |
| 2022/02/28 | 95.72 | ↑ | 3.31% | 100.99 | ↑ | 5.87% |
| 2022/03/07 | 119.4 | ↑ | 24.74% | 123.21 | ↑ | 22.00% |
| 2022/03/14 | 103.01 | ↓ | -13.73% | 106.9 | ↓ | -13.24% |
| 2022/03/21 | 112.12 | ↑ | 8.84% | 115.62 | ↑ | 8.16% |
| 2022/03/28 | 105.96 | ↓ | -5.49% | 112.48 | ↓ | -2.72% |
| 2022/04/04 | 103.28 | ↓ | -2.53% | 107.53 | ↓ | -4.40% |
| 2022/04/11 | 94.29 | ↓ | -8.70% | 98.48 | ↓ | -8.42% |
| 2022/04/18 | 108.21 | ↑ | 14.76% | 113.16 | ↑ | 14.91% |
| 2022/04/25 | 98.54 | ↓ | -8.94% | 102.29 | ↓ | -9.61% |
| 2022/05/02 | 105.17 | ↑ | 6.73% | 107.58 | ↑ | 5.17% |
| 2022/05/09 | 103.09 | ↓ | -1.98% | 105.94 | ↓ | -1.52% |
| 2022/05/16 | 114.2 | ↑ | 10.78% | 114.24 | ↑ | 7.83% |
| 2022/05/23 | 110.29 | ↓ | -3.42% | 110.78 | ↓ | -3.03% |
| 2022/05/31 | 114.67 | ↑ | 3.97% | 118.2 | ↑ | 6.70% |
| 2022/06/07 | 119.4 | ↑ | 4.12% | 120.46 | ↑ | 1.91% |
| 2022/06/13 | 118.67 | ↓ | -0.61% | 120.22 | ↓ | -0.20% |
| 2022/06/21 | 110.42 | ↓ | -6.95% | 115.83 | ↓ | -3.65% |
| 2022/06/28 | 111.34 | ↑ | 0.83% | 115.83 | → | 0.00% |
| 2022/07/05 | 110.14 | ↓ | -1.08% | 113.31 | ↓ | -2.18% |
| 2022/07/19 | 98.59 | ↓ | -10.49% | 105.39 | ↓ | -6.99% |
| 2022/07/26 | 98.27 | ↓ | -0.32% | 101.95 | ↓ | -3.26% |
| 2022/08/02 | 94.28 | ↓ | -4.06% | 100.38 | ↓ | -1.54% |
| 2022/08/09 | 92.11 | ↓ | -2.30% | 98.16 | ↓ | -2.21% |
| 2022/08/16 | 88.59 | ↓ | -3.82% | 93.96 | ↓ | -4.28% |
| 2022/08/23 | 91.97 | ↑ | 3.82% | 97.86 | ↑ | 4.15% |
| 2022/08/30 | 96.94 | ↑ | 5.40% | 102.64 | ↑ | 4.88% |
| 2022/09/06 | 89.03 | ↓ | -8.16% | 95.44 | ↓ | -7.01% |
| 2022/09/13 | 88.05 | ↓ | -1.10% | 94.03 | ↓ | -1.48% |
| 2022/09/20 | 85.15 | ↓ | -3.29% | 91.81 | ↓ | -2.36% |
| 2022/09/27 | 76.86 | ↓ | -9.74% | 83.04 | ↓ | -9.55% |

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, 2022.VIII.30, 2022.IX.27, by MNT/litre, provinces,

| | Gasoline A-80 | | | Gasoline AI-92 | | | Gasoline AI-95 | | | Diesel fuel | | |
|-------------------------------|---------------|--------------|----------------------------|----------------|--------------|----------------------------|----------------|--------------|----------------------------|--------------|--------------|----------------------------|
| | 2022.VIII.30 | 2022.IX.27 | 2022.IX.27 2022.VIII.30 | 2022.VIII.30 | 2022.IX.27 | 2022.IX.27 2022.VIII.30 | 2022.VIII.30 | 2022.IX.27 | 2022.IX.27 2022.VIII.30 | 2022.VIII.30 | 2022.IX.27 | 2022.IX.27 2022.VIII.30 |
| NATIONAL AVERAGE PRICE | 2,525 | 2,525 | 100.0% | 2,558 | 2,554 | 99.8% | 4,025 | 4,030 | 100.1% | 3,736 | 3,587 | 96.0% |
| Ulaanbaatar | 2,370 | 2,370 | 100.0% | 2,390 | 2,390 | 100.0% | 3,910 | 3,910 | 100.0% | 3,730 | 3,580 | 96.0% |
| Western region | 2,785 | 2,764 | 99.2% | 2,836 | 2,816 | 99.3% | 4,173 | 4,180 | - | 3,700 | 3,552 | 96.0% |
| Bayan-Ulgii | 2,680 | 2,680 | 100.0% | 2,700 | 2,700 | 100.0% | - | - | - | 3,690 | 3,550 | 96.2% |
| Govi-Altai | 2,780 | 2,780 | 100.0% | 2,890 | 2,800 | 96.9% | - | 4,150 | - | 3,720 | 3,580 | 96.2% |
| Zavkhan | 2,870 | 2,870 | 100.0% | 2,890 | 2,890 | 100.0% | 4,190 | 4,190 | - | 3,710 | 3,560 | 96.0% |
| Uvs | 2,850 | 2,745 | 96.3% | 2,900 | 2,890 | 99.7% | 4,140 | 4,190 | - | 3,690 | 3,530 | 95.7% |
| Hovd | 2,745 | 2,745 | 100.0% | 2,800 | 2,800 | 100.0% | 4,190 | 4,190 | - | 3,690 | 3,540 | 95.9% |
| Hangai region | 2,490 | 2,500 | 100.4% | 2,517 | 2,517 | 100.0% | 4,010 | 4,037 | 100.7% | 3,732 | 3,585 | 96.1% |
| Arkhangai | 2,480 | 2,480 | 100.0% | 2,500 | 2,500 | 100.0% | 3,930 | 4,040 | - | 3,740 | 3,590 | - |
| Bayankhongor | 2,480 | 2,510 | 101.2% | 2,530 | 2,530 | 100.0% | - | 4,040 | - | 3,720 | 3,580 | 96.2% |
| Bulgan | 2,520 | 2,520 | 100.0% | 2,520 | 2,520 | 100.0% | 4,020 | 4,020 | 100.0% | 3,720 | 3,580 | 96.2% |
| Uvurkhangai | 2,420 | 2,450 | 101.2% | 2,470 | 2,470 | 100.0% | 4,010 | 4,030 | 100.5% | 3,720 | 3,580 | 96.2% |
| Orkhon | 2,470 | 2,470 | 100.0% | 2,490 | 2,490 | 100.0% | 4,030 | 4,030 | 100.0% | 3,720 | 3,570 | 96.0% |
| Khuvsgul | 2,570 | 2,570 | 100.0% | 2,590 | 2,590 | 100.0% | 4,060 | 4,060 | 100.0% | 3,770 | 3,610 | 95.8% |
| Central region | 2,465 | 2,474 | 100.4% | 2,506 | 2,499 | 99.7% | 3,993 | 4,000 | 100.2% | 3,750 | 3,600 | 96.0% |
| Tuv | 2,420 | 2,420 | 100.0% | 2,440 | 2,440 | 100.0% | 3,970 | 3,970 | 100.0% | 3,740 | 3,590 | 96.0% |
| Darkhan | 2,470 | 2,450 | 99.2% | 2,470 | 2,470 | 100.0% | 3,990 | 3,990 | 100.0% | 3,720 | 3,570 | 96.0% |
| Selenge | 2,480 | 2,480 | 100.0% | 2,500 | 2,500 | 100.0% | 4,030 | 4,030 | 100.0% | 3,730 | 3,580 | 96.0% |
| Govisumber | 2,460 | 2,460 | 100.0% | 2,480 | 2,480 | 100.0% | 4,010 | 4,010 | 100.0% | 3,760 | 3,610 | 96.0% |
| Dundgovi | 2,510 | 2,510 | 100.0% | 2,530 | 2,530 | 100.0% | 3,980 | 3,980 | 100.0% | 3,770 | 3,620 | 96.0% |
| Dornogovi | 2,470 | 2,470 | 100.0% | 2,580 | 2,520 | 97.7% | 3,980 | 4,030 | 101.3% | 3,790 | 3,640 | 96.0% |
| Umnugovi | 2,445 | 2,530 | 103.5% | 2,545 | 2,550 | 100.2% | 3,990 | 3,990 | 100.0% | 3,740 | 3,590 | 96.0% |
| Eastern region | 2,517 | 2,517 | 100.0% | 2,540 | 2,548 | 100.3% | 4,037 | 4,023 | 99.7% | 3,767 | 3,617 | 96.0% |
| Dornod | 2,500 | 2,500 | 100.0% | 2,530 | 2,530 | 100.0% | 4,030 | 4,030 | 100.0% | 3,740 | 3,590 | 96.0% |
| Sukhbaatar | 2,550 | 2,550 | 100.0% | 2,570 | 2,570 | 100.0% | 4,080 | 4,070 | 99.8% | 3,830 | 3,680 | 96.1% |
| Khentii | 2,500 | 2,500 | 100.0% | 2,520 | 2,545 | 101.0% | 4,000 | 3,970 | 99.3% | 3,730 | 3,580 | 96.0% |

Source: Petroleum Products Division, MRPAM

4.7. RETAIL PRICE OF PETROLEUM PRODUCTS SOLD THROUGHOUT MONGOLIA, 2020-2022, by MNT/litre and type

| | Gasoline A-80 | Gasoline AI-92 | Gasoline AI-95 | Diesel fuel |
|---|---------------|----------------|----------------|---------------|
| 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.IV.27 | 1508 | 1563 | 2183 | 2123 |
| 2021.V.31 | 1513 | 1545 | 2163 | 2233 |
| 2021.VI.29 | 1513 | 1545 | 2313 | 2262 |
| 2021.VII.27 | 1812 | 1846 | 2418 | 2352 |
| 2021.VIII.31 | 2112 | 2144 | 2513 | 2545 |
| 2021.IX.28 | 2129 | 2161 | 2702 | 2545 |
| 2021.X.26 | 2150 | 2181 | 2608 | 2541 |
| 2021.XI.29 | 2256 | 2303 | 2759 | 2778 |
| 2021.XII.28 | 2370 | 2397 | 2864 | 2883 |
| 2022.I.31 | 2370 | 2416 | 2855 | 2836 |
| 2022.III.01 | 2419 | 2464 | 2954 | 2924 |
| 2022.III.29 | 2516 | 2560 | 3144 | 3117 |
| 2022.IV.26 | 2517 | 2561 | 3353 | 3369 |
| 2022.V.31 | 2517 | 2561 | 3351 | 3425 |
| 2022.VI.28 | 2994 | 2559 | 4000 | 3736 |
| 2022.VII.26 | 2996 | 2559 | 4341 | 4045 |
| 2022.VIII.30 | 2525 | 2558 | 4025 | 3736 |
| 2022.IX.27 | 2525 | 2554 | 4030 | 3587 |
| <u>2022.IX.27</u> 2022.VIII.30 | 100.0% | 99.8% | 100.1% | 96.0% |
| <u>2022.IX.27</u> 2021.IX.28 | 118.6% | 118.2% | 149.1% | 140.9% |
| <u>2022.IX.27</u> 2020.IX.29 | 172.1% | 165.5% | 193.8% | 181.2% |

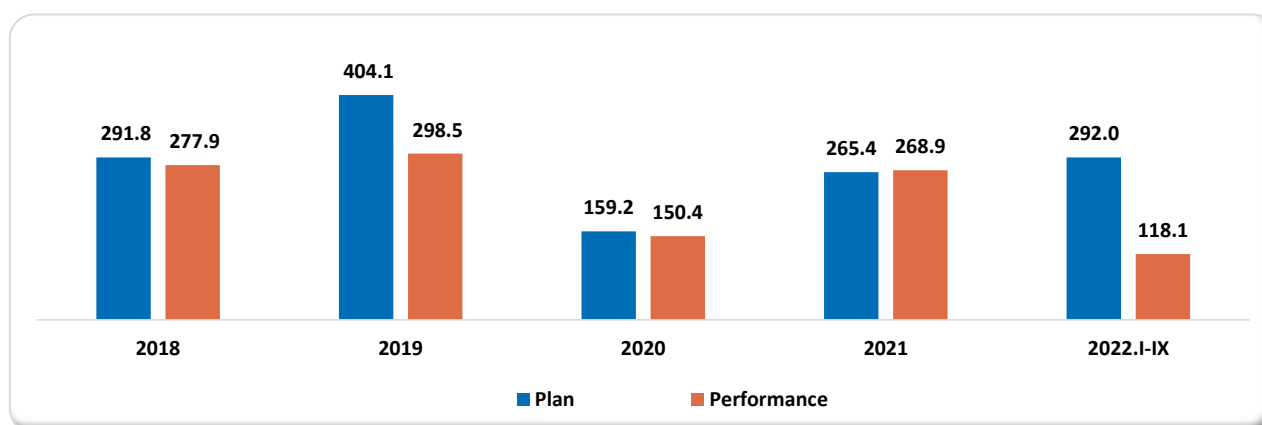
Source: Petroleum Products Division, MRPAM

6 | STATE BUDGET REVENUE

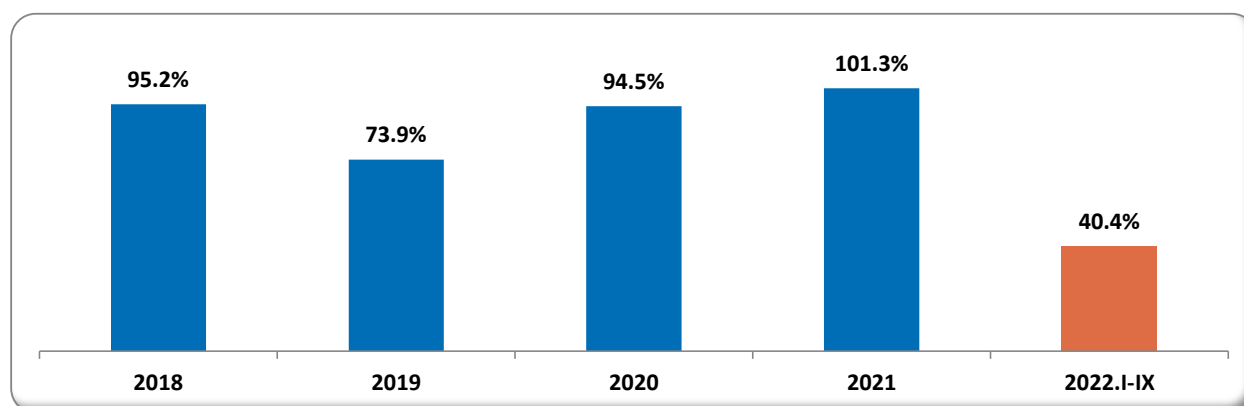
6.1. BUDGET REVENUE PLAN AND PERFORMANCE OF MRPAM, 2022, by million.MNT and income type

| | Plan of 2022 | 2022.I-IX | |
|-------------------------------------|------------------|------------------|------------------|
| | | Performance | Performance rate |
| TOTAL | 291,997.0 | 118,056.5 | 40.4% |
| License fee | 31,400.0 | 27,069.4 | 86.2% |
| Reimbursement | 17,500.0 | 1,065.7 | 6.1% |
| Petroleum export revenue | 215,447.0 | 72,448.7 | 33.6% |
| Service revenue (petroleum) | 1,630.0 | 1,794.1 | 110.1% |
| Service revenue (mineral resources) | 1,020.0 | 1,135.5 | 111.3% |
| Tender revenue | 25,000.0 | 14,543.0 | 58.2% |

6.2. BUDGET REVENUE OF MRPAM, 2018-2022, by billion MNT



6.3. BUDGET PERFORMANCE RATE OF MRPAM, 2018-2022



Source: Finance and Investments Division



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Monitoring, Evaluation and Internal audit Division of Mineral Resources and Petroleum Authority

Address:

Government building 12, Barilgachdyn talbai 3,
Chingeltei district, Ulaanbaatar 15170, Mongolia

Fax: 11-310370

Tel: 51-263927

E-mail: info@mrpam.gov.mn

Web: www.mrpam.gov.mn