



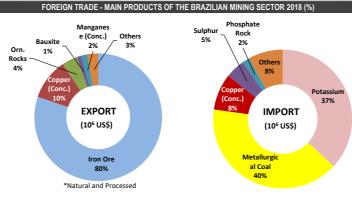


Share of iron ore exports in mining exports

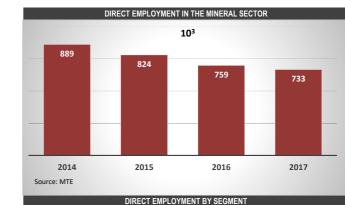
Share of iron ore exports in exports of the Mineral Sector

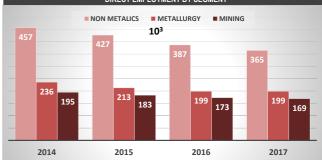
Share of iron ore exports in Brazilian exports

Source: COMEX/MDIC; DTTM/SGM/MME



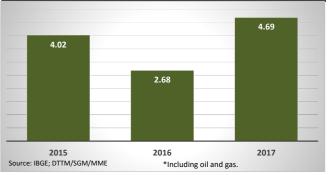
Source: COMEX/MDIC - SGM/MME.



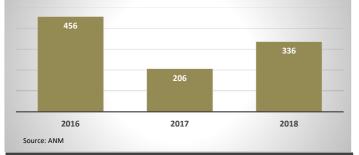


Source: MTE *mining direct employment, was re-evaluated and excluded oil and natural gas.

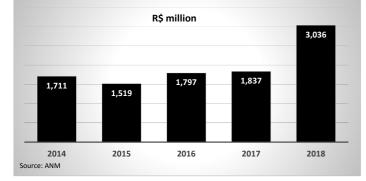


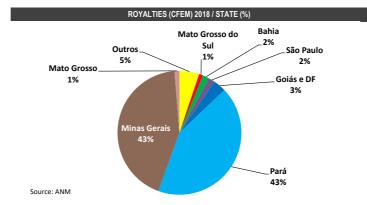




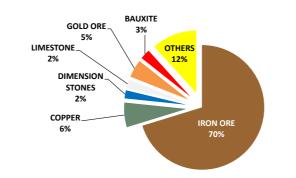


ROYALTIES (CFEM) - TOTAL





ROYALTIES (CFEM) 2018 / MINERAL (%)



Source: ANN

| MINERAL SECTOR - 2017 (Selected products) | | | |
|---|--------|---|--------|
| Mining | Amount | Industry | Amount |
| Iron ore (Mt) | 450 | Steel (Mt) | 34.4 |
| pellets (Mt) | 50.3 | Pig iron (Mt) | 32.1 |
| Bauxite (Mt) | 30,0 | Castings | 2.2 |
| Dimension Stones (Mt) | 9.4 | Aluminium (kiloton) | 801.7 |
| Kaolin (Mt) | 1.8 | Fe-Mn (kiloton) | 133 |
| Phosphate (Mt) | 5.5 | Zinc (kiloton) | 245.2 |
| Copper (cont.) (kiloton) | 384.5 | Copper (refined) (kiloton) | 143 |
| Gold (ton) | 85 | Fe-Nb (kiloton) | 58.7 |
| | | Cement (Mt) | 54.2 |
| | | Ceramic - wall & floor (Mm ²) | 790 |

Source: ANM; IABr; SINDIFER; ABAL; SNIC; ANFACER.

MINISTRY OF MINES AND ENERGY - MME SECRETARIAT OF GEOLOGY MINING AND MINERAL TRANSFORMATION - SGM Departament of Transformation and Mineral Tecnology - DTTM

MINERAL SECTOR BULLETIN 2019

Mining & Mineral Transformation (Metallics and Non-metallics)

Last update: 05/09/2019

Mineral Sector - Foreign trade performance 2018

The mineral sector that encompasses mining (extractive industry, except oil and gas) and mineral transformation (metallic, non-metallic and inorganic chemical compounds) closed 2018 with a positive balance of US\$ 23.3 billion equivalent to US\$ 49.8 billion of exports and US\$ 26.4 billion of imports. The participation of the mineral sector in the brazilian exports was 20.8%.

Mining (extractive, except oil and gas)

Exports of the mining sector only in 2018 totaled US\$ 25.2 billion equivalent to 50.6% of the total exports of the mineral sector and 10.5% of the Brazilian exports. Compared to the same period of 2017, growth was 4.8%.

Source: DTTM/SGM/MME

SECRETARIA DE GEOLOGIA, MINERAÇÃO E MINISTÉRIO DE TRANSFORMAÇÃO MINERAL MINAS E ENERGIA



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