

A method for separation of magnetite iron ores involves crushing of initial ore, crushing of crushed material and magnetic and flotation concentration. The ground product is subjected to flotation concentration with obtaining of flotation concentrate, semi-finished product and final tailings with further magnetic concentration of semi-finished product in the magnetic field of intensity of 16 - 24 kA/m. The use of invention allows increasing the selectivity of the process of separation of material by changing the modes of enrichment.