

GREEN METALS SHINE THE PHILIPPINES



As the world transitions to clean energy, businesses are shifting to sustainable solutions towards a green economy. With the implementation of low-carbon technologies at the forefront of these solutions, the demand for green metals are poised to increase and provide affordable and clean energy through renewable energy applications.

The World Bank projects a 500% increase in the global production of minerals by 2050 to meet the growing need for clean energy technology.

The Philippines is in the best position to host investments in green metals at this stage and penetrate value chains globally.

The Philippines is rich in critical minerals such as nickel, cobalt, and copper, boasting some of the highest reserves worldwide - 6th in the world for nickel and 4th in the world for cobalt.

Our copper reserves represent 1% of the world's global reserve (21st largest in the world and 6th in the Asia Pacific region), boasting underdeveloped copper mining projects that are reputed to be among the biggest in the world.

These green metals are key to go into cleaner energy applications such as in renewable energy, electric vehicles and battery technologies.

To support companies engaged in the processing of green metals and industries that it empowers, we're providing government support through our business-friendly laws, giving you more reasons to invest.

MAKE IT HAPPEN
THE PHILIPPINES

POLICIES

Republic Act No. 7942 and its Implementing Rules and Regulations (IRR)

Governs the exploration, development, utilization, and processing of mineral resources

Executive Order No. 79, s. 2012 and its IRR

Institutionalizing and Implementing Reforms in the Philippine Mining Sector Providing Policies and Guidelines to Ensure Environmental Protection and Responsible Mining in the Utilization of Mineral Resources

Executive Order No. 130, s. 2021 and its IRR

Lifting of the moratorium on mineral agreements

DENR Administrative Order No. 2021-40

Lifting the ban on open pit method of mining for extraction of copper, gold, silver, and/or complex ores.

INCENTIVES

2022 Strategic Investment Priority Plan

Tier 1	Special Laws - RA 7942	Exploration of mineral resources
Tier 2	Industrial Value-Chain Gaps	Green metals processing
Tier 3	R&D	generation of new knowledge, highly technical

9-27 years of fiscal incentives (maybe up to 40 years for strategic projects).

- Income Tax Holiday
- Special Corporate Income Tax
- Duty exemption on importation of capital equipment, raw materials, spare parts, or accessories
- VAT exemption and VAT-zero rating on local purchases
- Enhanced Deductions



9 million hectares

Mineral potential in the Philippines (30% of total land area)



4.8 million MT

of nickel reserves (6th largest)



260,000 MT

of cobalt reserves (4th largest)



2.9 million MT

of copper reserves

Other mineral resources:

Chromite, Iron, Gold, Silver, Manganese, Sulfur, Bauxite

INDUSTRY PLAYERS



12

Gold mines



1

copper smelter



4

Chromite mines



36

Nickel mines



4

Iron mines



2

Nickel processing plants



3

copper mines

INVESTMENT OPPORTUNITIES

The opportunities in the green metals sector is driven by the global transition to clean energy which estimates a high demand for minerals in renewable energy, electric vehicle, battery storage systems, and other clean energy technologies.

- Exploration of critical mineral resources
- Value-added processing and downstream activities
- Recovery and recycling of valuable critical minerals

COPPER

- Development of new copper mines
- Copper wire rod facility to address the value chain gap
- Recovery of valuable minerals (e.g. sulfur) from mine tailings

NICKEL AND COBALT

- Nickel processing plant
- hydroxide/sulfide precipitate, precursor cathode active materials (pcam), cathode active materials (cam), battery production



Fig. 1: Clusters of nickel mines