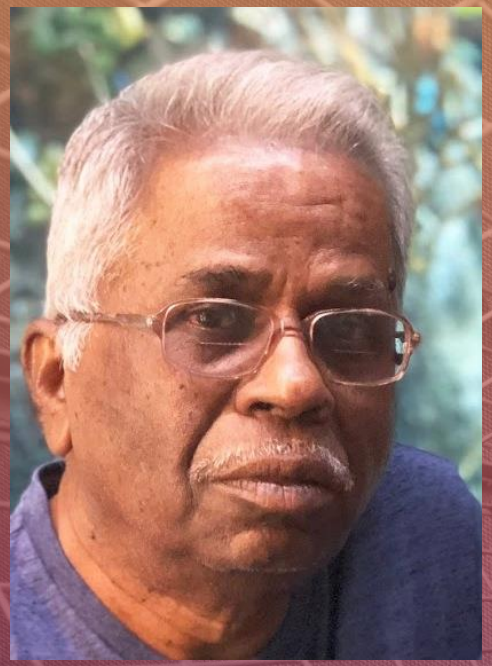

Mineral Processing

Presentation by
Primary Information Services
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Mining is the world's fifth largest Industry

Iron & Steel is the Major Industry that contributed most of the developments. But there are many minerals that offer excellent business opportunities for the entrepreneurs of the world.

Applications

The Industrial Minerals find extensive uses in **Paints, Coatings, Rubber, Adhesives & Sealants, Plastics, Pharmaceuticals, Paper, Agricultural Pesticides, Glass & Ceramics, Digital Devices and other Industries.**

Mineral Processing

Basics

- Mineral processing is a major division in the science of Extractive Metallurgy. Extractive metallurgy has been defined as the science and art of extracting metals from their ores, refining them and preparing them for use.
- The mineral processing operations are Drilling, Crushing & Screening, Grinding, slurry processing, Pyro processing, Material Handling, compacting etc
- Mineral processing equipment includes a wide range of machinery and products designed to process ROM stockpile material into a refined mineral unit. These solutions include screening systems, gravity concentrators, hydrocyclones, magnetic separators, filter presses and industrial centrifuges.

The Mining Business

Issues Involved

- **The mining and quarry fronts are the starting points for recovery of rock and mineral values from surface and underground deposits.**
- **An important aspect of any mineral processing study is an analysis of how material is distributed whenever streams split and combine. This knowledge is necessary when a flow sheet is being designed and is also essential when making studies of operating plants.**
- **After locating a deposit, additional testing must be done to prove it can be profitable**
- **Mines must obtain environmental permits that must follow a set of standards**

Mineral Resources

Primary Information Services

Mineral Data Bases (Partial List)

Asbestos	Cordierites	Fluorspar	L-Selenomethionine
Asphalt	Cryolite	Gem Stone	Lava
Barite	Diamond	Gypsum	Mica
Bauxite	Dolomite	Granite	Micro Silica
Beryllium	Diatomite	Garnet	Chromite
Borax	Feldspar	Iron Ore	Magnesium Carbonate
Calcium Carbonate	Ferrous Pyrite	Kaolin	Phosphate Rock
Carbonate Minerals	Forsterites	Kyanite	Zeolite

Mineral Based Industries

Business Opportunities Information on CD ROM

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Minerals. Garnet. Granite. Gypsum. Mica. Vermiculite. Cement. Chromite. Phosphates .Cubic Zirconia. Coal Gasification . Flotation Reagents . Ground Minerals .

CONFLICT Minerals

BLOG – Conflict Minerals

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THANK YOU

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