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PMN8J002

ECO-FRIENDLY MINING

Module-I:

Basic concepts of eco-friendly mining, Selection of eco-friendly equipment and exploitation operations

Module-II:

Water quality – physical, chemical, biological, criteria and standards. Classification and chemistry of major air pollutants. Soil chemistry – nature and importance of soil, soil properties, soil amendments

Module-III:

Waste water management – sources characteristics, techniques of treatment. Acid mine drainage– occurrence, effects and treatment techniques. Solid waste management for mine spoils

Module-IV:

Mine Reclamation & Mine Closure- Mine Reclamation strategies, Principles, planning, financial provisions, implementation, standards for closure criteria, systems approach for mine closure and development of closure plan, Socio-economic Aspects of Mining