The entire training program has a balanced relation of classroom training and practical exercises, 3 days of field trips to different mine sites in the vicinity and demonstrations of small-scale mining equipment.

**Module 10: Community Development**
- **Gender Equality**
  - What are sex & gender?
  - Cultural factors that determine gender roles
  - Constraints for women miners
  - Rights, powers, roles and responsibilities
- **Practical Activity**
  - Cultural & modern perceptions on power, roles and responsibilities of men & women
- **Personal Development**
  - What is personal development?
  - Personal development philosophy
  - Application of personal development in small scale mining

**Module 11: HIV/AIDS**
- **Introduction to HIV/AIDS**
- **HIV Awareness**
  - Which groups in society are exposed to higher risks of HIV/AIDS infection?
- **Traditional practices that increase HIV/AIDS risks**
- **Confidentiality of HIV-test results**
- **HIV/AIDS Prevention**
  - Safer sex practices as a way to reduce HIV/AIDS risk
  - Prevention of mother to child transmission
- **Living with HIV/AIDS**
  - Dialogue with people living and working with HIV/AIDS

The entire training program has a balanced relation of classroom training and practical exercises, 3 days of field trips to different mine sites in the vicinity and demonstrations of small-scale mining equipment.

**For more information and enrollment please enquire in writing to:**

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Module 1: Background Information on Small Scale Mining in Papua New Guinea

- Mining in PNG
  - What is mining?
  - Why are minerals mined?
- Mineral potential of PNG
- What types of minerals are mined in PNG?
- Institutional Framework
- Differentiation of Government departments from Statutory Institutions
- Role and tasks of different stakeholders
- Roles and functions of MRA
- History of Mining in PNG
- When did mining start in PNG?
- Traditional mining in PNG
- Land rights
- Periods of mining development (Past, present and forward)
- Role of the Mining Sector in the National Economy
- PNG’s economic profile
- Investment trend
- Mineral production statistics
- Related and downstream processing

Module 2: Introduction to Laws Governing Artisanal & Small Scale Mining

- Objectives of Mining Act and Regulation 1992 Mining Act
- Rights and obligations related to small Scale mining
- Application of selected sections of the Mining (Safety) Act and Regulations
- Basis for Environmental Regulations in PNG
- Mining Regulations
- Application procedure
- Objectives of Mining (Safety) Act & Regulations
- Implementation and monitoring
- Mining (Safety) Regulations
- Reporting procedure for accidents and incidents

Module 3 Introduction to Geology and Gold

- Definition of Geology
- Why is geology important for mining?
- General Geology of PNG
- Mineral Identification
- Alluvial or free gold and related deposits
- How to look for Gold
- Testing the ground, sampling and assaying
- Gold Properties
- Gold purity
- Weighing of gold
- Selling and buying gold in PNG

Module 5: Introduction to Simple Mining & Processing Techniques

- Planning of efficient mineral exploitation
- Mining methods
- Equipment Selection
- Small scale manual dressing and processes for placer gold
- Small scale manual dressing and processes for primary gold ores
- Gold panning
- Sluicing
- Water Access

Module 4: Introduction to Environmental Issues in Small Scale Mining

- Background information
- Definition of Environment
- Explain the importance of environment
- Legislative summary
- Environment Act
- Introduction to various types of pollution caused by SSM activities
- Environmental impact of small scale mining
- Reduction in Environmental Destruction and Pollution

Module 6: Introduction to Occupational Health and Safety

- Legislative Summary
  - Mining (Safety) Act and Regulations
  - Presentation of selected OH & Safety laws and regulations from other countries experiencing similar SSM activities as PNG
  - Occupational Health, Safety & Welfare
  - Presentation of National Health Plan
  - Explain the importance of OH & Safety in mining Communities
  - Socio-economic costs by non-conformity with OH & Safety rules

Module 7: Introduction to Mercury in Small Scale Mining

- Definition, Properties & Uses of Mercury
- Mercury Cycle
- Mercury Forms, Compounds & Chemical Species
- Toxicity of Mercury & Symptoms of Poisoning
- Amalgamation Principle
- Amalgamation Process
- Hazards in Amalgamation
- Mercury Recycling using Retorts

Module 8: Economics of Small Scale Mining

- Know about small business
- The principal Economics of small scale mining
- Evaluate the Business Opportunity
- How and when to start a business
- Basic Bookkeeping
- Bookkeeping for small business