

COURSE DELIVERY:

All training sessions are highly interactive with a lot of facilitator – participant interaction. Training methods used on this course includes but not limited to;

- ☛ PowerPoint Presentations / Structured Lectures
- ☛ Group Discussions / Activities
- ☛ Demonstrations
- ☛ Videos
- ☛ Questions / Answers
- ☛ Experiential Learning (Personal Experiences)
- ☛ Role Playing / Simulation Exercises / Games
- ☛ Field Practical (Trip)

RESOURCE MATERIALS

- ☛ 7 x Small Scale Mining Booklets
- ☛ 1 x Course Manual
- ☛ ASM Equipments

COURSE FACILITATORS: SMALL SCALE MINING BRANCH (SSMB), MINERAL RESOURCES AUTHORITY (MRA)

THE SMALL SCALE MINING (SSM) TEAM



Haffia Payabe (seated) (Business Development Officer), (Back row in grey shirt) Douglas Morris (Health & Safety Officer) Front row (l-r) Wesley Doria (Training & Development Coordinator), Helen Lohai (Personnel Assistant) Howard Lole (Manager, Small Scale Mining, Justin Edimani (Development Engineer)



For more information about our training programs, please contact the Small Scale Mining Branch at;

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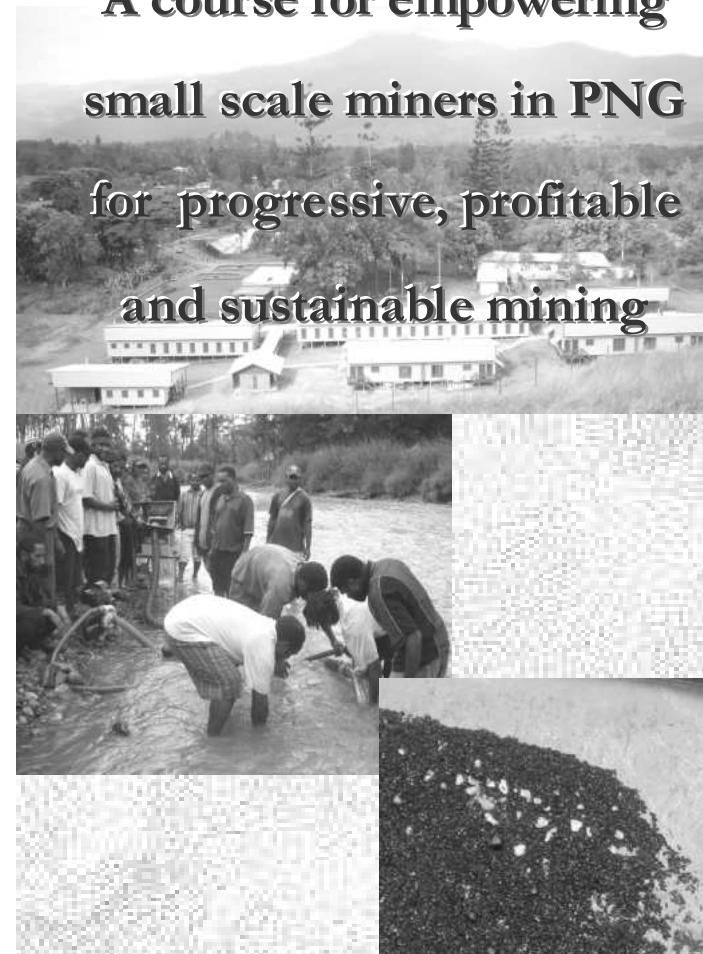
ARTISANAL AND SMALL SCALE MINING (ASM) IN PNG

A course for empowering

small scale miners in PNG

for progressive, profitable

and sustainable mining



ASM training participants in Madang displaying their certificates

COURSE TITLE ARTISANAL AND SMALL SCALE MINING (ASM) IN PNG.

COURSE DESCRIPTION:

Artisanal and Small Scale Mining (ASM) in PNG is a very practical and comprehensive training package that has been designed and developed to address the need of every or would be small scale miner in PNG. It delivers the vital and relevant competencies that people wishing to undertake small scale mining as business venture needs to have to be successful. Its intention and aim is equip ordinary Papua New Guineans with the skills to undertake small scale mining activities with a progressive and profitable attitude, one that will ensure a positive shift in their quality of life and alleviation of poverty. The course package has been designed to cater for all levels of education, from the highly educated to the illiterate ones.

TARGET GROUP: All and would be Small Scale Miners

COURSE OBJECTIVES: By the end of this training, the participants will be able to;

- Understand the current status of the Small Scale Mining (SSM) sector in PNG
- Explain the different laws that govern the mining sector with special provisions relating to small scale mining in PNG
- Demonstrate a high regard for health, safety and environmental issues when undertaking artisanal and small scale mining (ASM) activities
- Identify and recognize the physical and chemical properties and monetary value of gold
- Undertake proper prospecting and sampling to assess and evaluate the profitability of their small scale mining operations
- Acquire skills for safe use of mercury and other toxic substances

COURSE DURATION: 1 – 2 WEEKS (depending on the size of the group)



The Facilitators of the Training in Madang; (l — r) Wesley Doria, Douglas Morris and Justin Edimani

COURSE UNITS

Unit 1: Artisanal and Small Scale Mining in PNG

This topic looks at the historical developments of the ASM sector in PNG and continues on to its current status. Impediments to the development of the sector are highlighted as issues now affecting its development. SSMB initiatives to promote and develop the sector are shared with the course participants to encourage them to contribute in their own little way to the overall development of the SSM sector in PNG.

Unit 2: Laws Governing Artisanal and Small Scale Mining in PNG

This topic introduces the participants to the major laws that govern all mining activities in PNG, including Small Scale Mining. This included the Mining Act 1992 and regulations, Mining (Safety) Act and Regulations (Chapter 195A) and the Environmental Act 2000 and regulation 2002.

Unit 3: Occupational Health and Safety Code and Guidelines

This topic encourages participants to understand that in whatever they do, safety must be a priority. It highlighted the cost and significance of a safe workplace to people, the workplace and the society, OSH legislative requirements imposed in the ASM sector, responsibilities of all parties involved in SSM operations, hazards and risks identification and some basic applications of safe workplace procedures.

Unit 4: Environmental Code and Guidelines

This topic reasserts the idea of ensuring that the environment is restored to nearly its original state before mining operations in the area commenced. The miners are encouraged to comply with all mining legislations in SSM activities in PNG and to ensure that areas used for mining activities are rehabilitated and the protection of sacred or significant sites within their areas of small scale mining



Justin Edimani demonstrates to participants in Chimbu how to use the High Banker can also be used as a suction

Unit 5: Gold

This topic ensures participants understand the physical and chemical properties of gold, how gold is formed and how they can test for gold and why gold is so valuable all throughout the world.

Unit 6: Prospecting Techniques

This topic introduces participants to ideas on how placer gold deposits are formed, basic sampling techniques and calculating the economic viability of the alluvial resources.

Unit 7: Mining and Processing Techniques

This topic helps participants to realize that there are different mining methods that can be employed in the SSM sector, gold processing techniques and motivate participants to improve their mining techniques from artisanal methods to semi – mechanized methods and go on to full mechanized operations.

Unit 8: Mercury and Other Toxic Substances

Mercury is very useful in for gold retention, but it can also be very harmful. The use of mercury in SSM is increasing, with some miners very careless and not being able to observe and follow safe methods of mercury use. Participants are shown the correct way of using mercury and other toxic substances in order to minimize health risks to them and their family and their environment.

Unit 9: Economics of Small Scale Mining

Before going into serious small scale mining business, miners need to assess its economic viability. They need to prepare a cash flow to assess the profitability of the small scale mining operation before investing into it.



Justin Edimani demonstrates how to use a Gold Wheel during the Outreach training in Madang