

STRENGTHENING TANZANIA'S ARTISANAL & SMALL-SCALE MINING SECTOR IN DEVELOPMENT MINERALS



IMPLEMENTATION REPORT



Part A: Quick Facts at a Glance

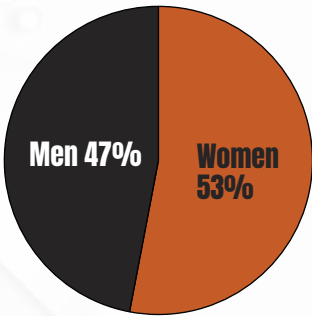
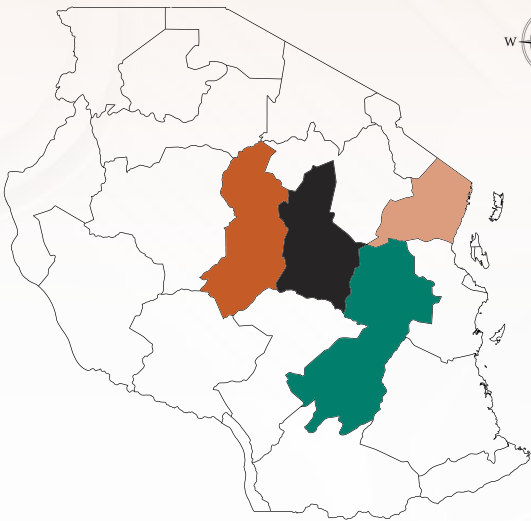
This project was designed to address long-standing challenges in Tanzania’s artisanal and small-scale mining (ASM) sector, particularly in Development Minerals such as gypsum, limestone, clay, granite, and sand.

Implementation Period:
April-July 2025



Target Regions

- Dodoma
- Morogoro
- Singida
- Tanga



Total Beneficiaries:

799 miners trained
(Target was 500)



Value Addition & Entrepreneurship Skills



Health, Safety & Environmental Compliance



Market Access & Product Quality Standards



Land Rehabilitation & Restoration



Institutional Capacity Building for NGOs and ASM associations

Core Focus Areas

Part B: Executive Summary

From April to July 2025, the Foundation for Artisanal and Small-Scale Mining Development (FADev), in collaboration with the United Nations Development Programme (UNDP) through the ACP-EU Development Minerals Programme, implemented a comprehensive capacity-building initiative to transform Tanzania's ASM sector.



The project tackled critical barriers such as low value addition, poor environmental and safety practices, limited access to markets, and lack of entrepreneurial skills. Through practical workshops, Training of Trainers (ToT) sessions, and targeted technical assistance, miners gained hands-on skills in mineral processing, quality improvement, and environmental stewardship.

By the end of the project:

- ☞ **799 miners** had been trained — exceeding the initial target of 500. Women and youth made up over half of the participants.
- ☞ Innovative solutions emerged, such as **locally built mineral processing equipment, improved packaging, and community-led safety measures**.
- ☞ Many miners began **record keeping, financial planning, and PPE use** for the first time.

The results point to a sector that is ready to grow — if **skills, financing, and equipment** are sustained.

Part C: Project Goal & Objectives

Main Goal

To formalize artisanal and small-scale mining in Development Minerals, promote sustainable practices, and create inclusive economic opportunities, especially for women and youth.



Project Objectives



Empower women and youth to take leadership roles in mining businesses.



Expand miners' access to finance and reliable market information systems.



Enhance product quality to meet national and international standards.



Promote land rehabilitation and integrate environmental stewardship into mining.



Promote low-carbon, circular, and responsible mining practices.



Part D: Key Activities & Results

01 Value Addition Training for Women & Youth.



From May to July, FADev trained 61 miners (39 women, 22 men) in value addition processes for minerals like gypsum, limestone, granite, and sand. Participants learned:

- Processing techniques to improve mineral quality.
- Business planning and financial literacy.
- Safe mining practices and environmental care.
- Packaging, branding, and market development.

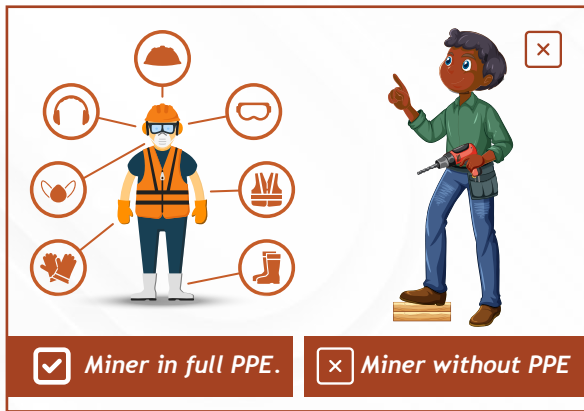
Impact:

Over 90% reported they could immediately apply the skills – improving site organisation, launching small-scale processing, and exploring new markets.

02 Health, Safety & Environmental (HSE) Compliance

A total of 277 miners were trained to improve workplace safety and environmental protection. Sessions covered:

- Hazard identification.
- Correct use of PPE.
- Waste management and mine rehabilitation.
- Low-cost rehabilitation methods using local materials.



Impact:

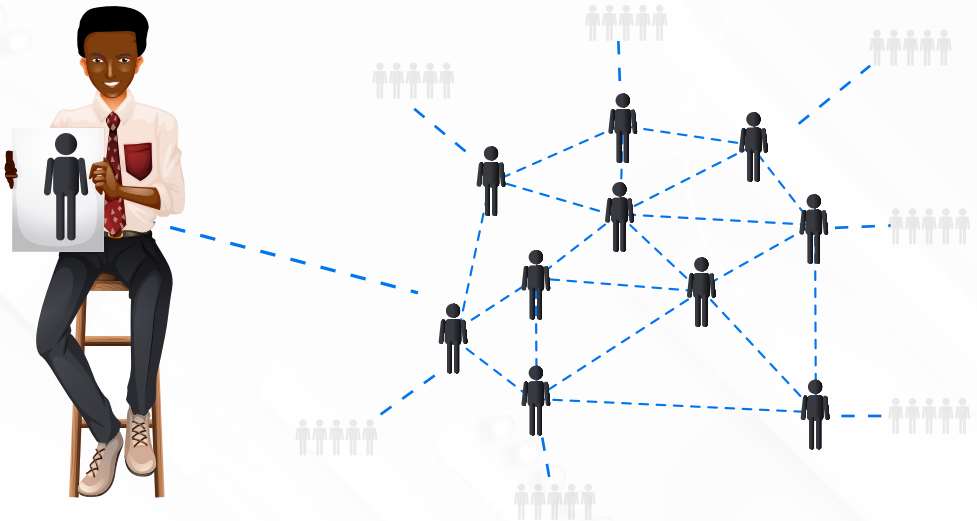
In Morogoro, miners began marking abandoned pits to prevent accidents.

In Singida, more miners started using masks and safety boots.

03 Training of Trainers (ToT)

Over 95 participants – including license holders, mine owners, and local officials – were trained to become community trainers. They covered:

- Mining laws & compliance.
- Environmental management.
- Value addition basics.
- Financial record keeping.



1 TOT GRADUATE

10 MINERS TRAINED

Each trains 5 more miners

Impact:

Graduates of the ToT programme have become local champions for sustainable and responsible mining. Equipped with technical, environmental, and business skills, they are now **actively conducting peer-to-peer training sessions** within their mining associations, cooperatives, and communities.

In some regions, these trainers have formed **informal learning groups** where miners meet weekly to share progress, troubleshoot challenges, and practice new techniques. Others have integrated training into existing association meetings, ensuring that knowledge is passed on even to those who could not attend the original FADev sessions.

The multiplier effect has been significant in Dodoma, one graduate reported reaching over **40 additional miners** through on-site demonstrations of safe processing techniques. In Tanga, women ToT graduates have started mentoring other women in value addition and packaging skills, increasing female representation in the sector's higher-value activities.

This cascading knowledge-sharing approach means the project's reach has expanded far beyond the initial 100+ ToT participants, creating a self-sustaining cycle of **skills transfer, innovation, and continuous improvement** at the grassroots level.

04 Improving Product Quality for Markets

What We Did:

Training sessions were conducted in all four regions to equip miners with practical skills to make their products more competitive in local, regional, and international markets.

Key Focus Areas:



Standards Compliance;
Meeting Tanzanian Bureau of Standards (TBS) and international benchmarks.



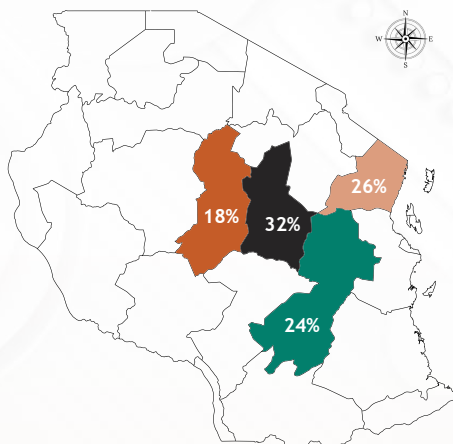
Product Quality;
Improving grading, labeling, and packaging to add value.



Market Linkages; Building stronger ties with trade platforms, cooperatives, and government agencies for better visibility and sales.

Target Regions

- Dodoma
- Morogoro
- Singida
- Tanga



Gender Participation:

WOMEN	422	53%
MEN	377	47%

Part F: Impact Stories

Impact is framed towards these key areas

- Increasing competitiveness and income of ASM in mining and mineral processing (ASMEs) in Tanzania
- Supporting inclusive and sustainable Development Minerals value chains, promoting low-carbon, circular materials and processes.

Local Innovation: From Learner to Inventor

After attending the value addition training,

Mr. Hamisi Holela from Kinyenze, Morogoro, turned knowledge into action by designing and constructing a gravel separator (“chekeche”) using locally available materials. This innovation has significantly improved both the efficiency and quality of stone processing, reducing manual labor while producing cleaner, market-ready products. His creativity demonstrates how training can spark homegrown solutions that not only improve productivity but also inspire peers in the mining community to adopt more efficient and sustainable practices.



Safer Mining Sites: Protecting Communities

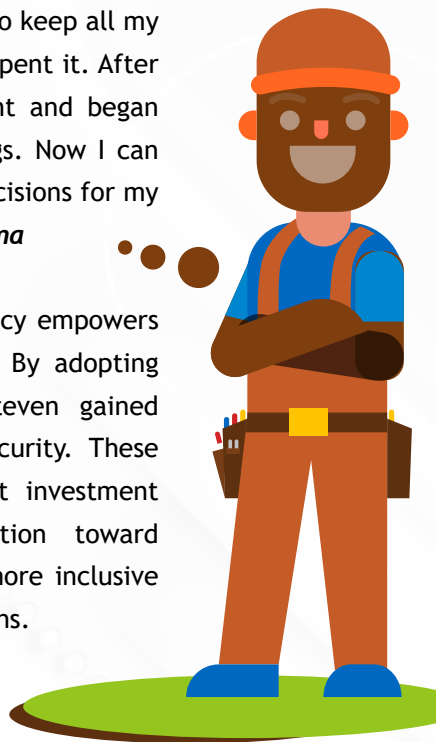
"Before the training, abandoned pits around our mining sites were left unmarked, creating danger for miners, children, and nearby communities. After learning about Environmental, Health, and Safety (EHS) practices, we immediately marked and installed barriers around these pits. Now accidents are prevented, and our community feels safer and more confident in our work." — **KIWAKOKI Group, Morogoro**

This testimony shows how applying EHS knowledge increases the competitiveness of artisanal and small-scale miners (ASMEs). By practicing workplace safety and caring for the surrounding community, the group not only reduced risks but also built trust. Such responsible practices strengthen community relations, improve the reputation of ASMEs, and contribute to safer, more sustainable mineral value chains.

Financial Empowerment: Building Security for the Future

"Before the financial literacy training, I used to keep all my income in cash and often lost track of how I spent it. After the training, I opened my first bank account and began keeping proper records of my mining earnings. Now I can plan better, save securely, and make wiser decisions for my business and family." — **Steven Joseph, Dodoma**

This testimony illustrates how financial literacy empowers miners to grow beyond day-to-day survival. By adopting structured savings and record keeping, Steven gained discipline, accountability, and long-term security. These skills improve income management, support investment decisions, and enable miners to transition toward sustainable growth contributing directly to more inclusive and resilient Development Minerals value chains.



Part G: Lessons & Challenges

Lessons

- ☞ ToT creates ripple effects – trained miners pass on knowledge to peers.
- ☞ Collaboration works – government, NGOs, and miners together achieve more.
- ☞ Rehabilitation is an opportunity – restored land can become farmland or fishponds.

Challenges:

- ☞ Lack of equipment & financing.
- ☞ Weak enforcement of environmental laws.
- ☞ Low awareness of rehabilitation's benefits.
- ☞ Illiteracy among some miners.

Part H: Recommendations & Conclusion

› Recommendations

- 🔧 Develop funding and equipment-sharing schemes.
- 🌱 Build grassroots awareness of environmental restoration.
- 📖 Provide mentorship and follow-up for all trained miners.

› Conclusion

This project has demonstrated that with the right skills, tools, and partnerships, artisanal and small-scale miners can turn challenges into opportunities, driving inclusive growth, environmental care, and community resilience.

Key Highlights

- **Skills & Tools:** Enhanced miners' capacity for innovation, accountability, and collaboration.
- **Economic Growth:** Showcased ASM's potential to contribute to inclusive and competitive national development.
- **Environmental Stewardship:** Promoted safer and greener mining practices.
- **Social Inclusion:** Ensured women, youth, and marginalized groups benefit from sector growth.
- **Scalability:** With sustained investment and partnerships, the model can be expanded nationwide to increase impact.



**ACP-EU
DEVELOPMENT
MINERALS
PROGRAMME**

Implemented in partnership with UNDP



Co-funded by
the European Union



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