

2.3 Renewable Energy and Climate Change

Building on the experience and expertise in brick and construction sector, MinErgy has expanded its services into renewable energy and climate change sector as well. Some of our key services include:

- Promotion of improved charring technologies and bio-char application for household and industrial need.
- Promotion of biomass gasifiers to meet household and industrial energy need.
- Promotion of improved cooking stoves at household and institutional level.
- Development and dissemination of household and institutional biogas plants.
- Waste to energy generation and utilization
- Promotion of solar home systems.
- Research & development on various renewable energy technologies.



2.4 Sustainable Transport and Mechanization

The MinErgy team has worked hard and strongly promoted its primary motive of delivering other sustainable solutions to prevalent issues, such as

- Feasibility, design and implementation of a Bi-Cable goods transport ropeway.
- Better air quality through closing skill gaps of auto mechanics.
- Design and development of mechanized system such as soft molding machine, mechanized coal feeder etc.

Geographical Coverage

MinErgy has provided its technical services in various countries in Asia and Africa.

- Asia : Nepal, Afghanistan, Pakistan, Bangladesh and Mongolia
Africa : South Africa and Rwanda

Affiliation

- Brick Clean Network (BCN) - (MinErgy Initiatives being the Secretariat)
Global Alliance for Clean Cook Stoves (GACC)
Climate and Clean Air Coalition (CACC)
Nepal Alliance for Clean Cooking Stoves (NACC)

Awards



Best Innovative Clean Energy Technology - 2009



Best Innovative Clean Energy Programme - 2010



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1. Introduction

MinErgy is an organization dedicated to and working on energy-efficiency and renewable energy at household and industrial level to achieve the improved energy, environment and health conditions. It inherits the competencies, know-how and expertise having worked alongside in the Vertical Shaft Brick Kiln (VSBK) Project in Nepal, funded by Swiss Agency for Development and Cooperation. It has expanded its services to other sectors of renewable energy, climate change mitigation & adaptation and preparedness on climate-induced disasters with an expanded team of technical and social development backgrounds.

Presently, a team of enthusiastic and experienced professionals drives MinErgy towards attaining its goal of achieving a clean, green and energy efficient Nepal.

1.1 Vision

Prosperous and enabled communities to respond and contribute to energy-efficient, clean and healthy environment

1.2 Mission

MinErgy is committed to empower communities to respond to their needs and issues and to adapt to solutions for a secure livelihood.

1.3 Objectives

- To provide sustainable solutions to prevalent economical, environmental, health and social issues.
- To provide skills and services in technology transfer management, technology development, techno-social integration and community empowerment to mitigate and adapt to climate change effects.
- To empower the communities by adopting psycho-social approach in community mobilization and utilizing technological, economic and enterprise instruments.

2. Key Working Sectors

2.1 Occupational Health and Social Development

MinErgy is building on its experiences and expertise in the health related issues, especially in brick kilns and building construction sectors employing large number of poor and deprived communities. Some of our key activities include:

- Child development and nutrition for children below five years of age.
- Occupational health and safety in brick and construction sector.
- Preventive health measures, focusing of safe drinking water, improved hygiene practices and sanitation.
- Psycho-social approach and counseling, especially for women in difficult situations.



2.2 Brick and Built Environment

With its inherited construction know-how from VSBK Project/Nepal, MinErgy has gained a plethora of experiences and has continued its work for sustainable construction. Some of our key services are:

- Promotion and dissemination of cleaner brick firing technologies such as Habla, VSBK and Improved ZigZag kiln.
- Promotion of internal fuel brick making practices and alternative fuel application in brick kilns.
- Design and construction of green buildings
- Design and construction of earthquake resilient buildings.
- Promotion and application of environment friendly and energy-efficient walling & roofing technologies.
- Production and application of environment-friendly building materials such as concrete hollow blocks (CHB), concrete door and window frames, micro concrete roofing tiles (MCR tiles), paving tiles, etc.