

Project Approach

Empowerment and enterprise approach

Supporting rural youth, women and men to establish micro construction enterprises, creating local jobs and opportunities

Local materials and sustainability

Promoting sustainable CSEB technology and using local materials to produce high quality material locally

Earthquake resilient and climate responsive

Supporting communities to build affordable, earthquake resilient and climate responsive housing



NABIN Project

New and Affordable Building Material Promoting Sustainability in Nepal



About us

*NABIN project is working to establish micro-enterprises and promote the eco-friendly, affordable and earthquake resilient interlocking brick technology **known as Compressed Stabilized Earth Brick (CSEB)**.*

The 2-year project is funded by Nordic Climate Facility (NCF) and implemented by DCA, Practical Action and Build up Nepal



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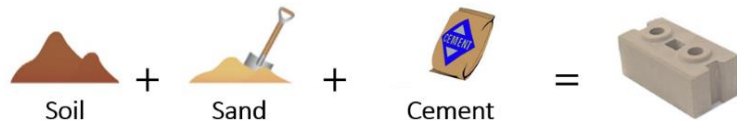


About the project

The project will enable sustainable post-earthquake reconstruction in Nepal through strengthened a number of distribution points along with the supply chain for climate friendly building material and the establishment of 100 self-sustaining micro- and small enterprises (MSMEs) for production of Compressed Stabilized Earth Brick (CSEB)

This will ultimately strengthen Nepal's capacity to mitigate and adapt to climate change through viable rural initiatives with strong social and climate impacts

This project is **testing the scalability** of the innovative, eco-friendly interlocking bricks technology targeting small and micro entrepreneurs in rural areas, tackling several development challenges facing Nepal.



CSEB:

- Earthquake Resistant, eco-friendly construction at **25% lower cost**
- Made in the village using soil sand + cement

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Building **5,000** houses with CSEB
Saves **22,500** tons of CO₂ compared to fired bricks Equals **7,500** flights London-Kathmandu with return

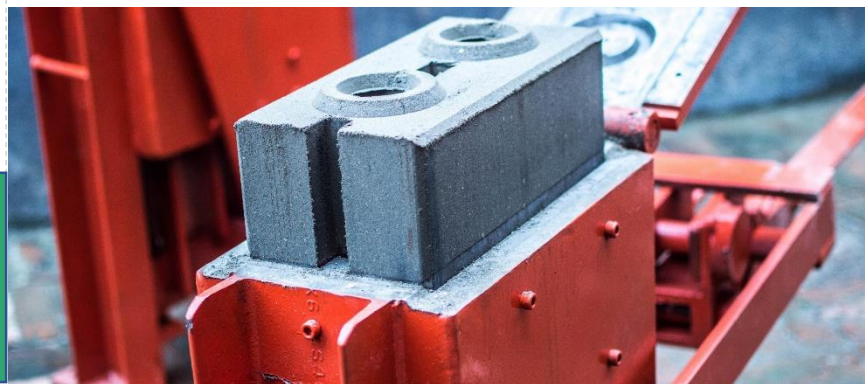
Objectives

- 1) Creating an enabling business environment for climate friendly construction material
- 2) Reducing the impact of climate change through mitigation, adaptation & resilience
- 3) Job and livelihood creation in rural areas and support to poor and vulnerable groups
- 4) Climate change advocacy and policy influence to secure a low emission pathway for the Nepalese public and private sector



Project Activities

- Establish self – sustaining and commercially viable CSEB enterprises
- Job creation, livelihood promotion and technology transfer
- Social mobilization, demo construction and technical training
- Capacity building and policy advocacy
- Private sector development & access to finance
- CO₂ emission reduction
- Strengthening the supply chain of CSEB



Expected results

- I. 21 million CSEB produced by 100 enterprises during the project, reducing 16,231 Tonnes of CO₂ emission
- II. 1650 direct jobs created in production of CSEB and construction
- III. 3500 households saved 20% of expenses for housing construction
- IV. Increase in monthly income of 100 entrepreneurs by NPR 20,000
- V. Training 280 masons and increasing demand of CSEB



Working areas

