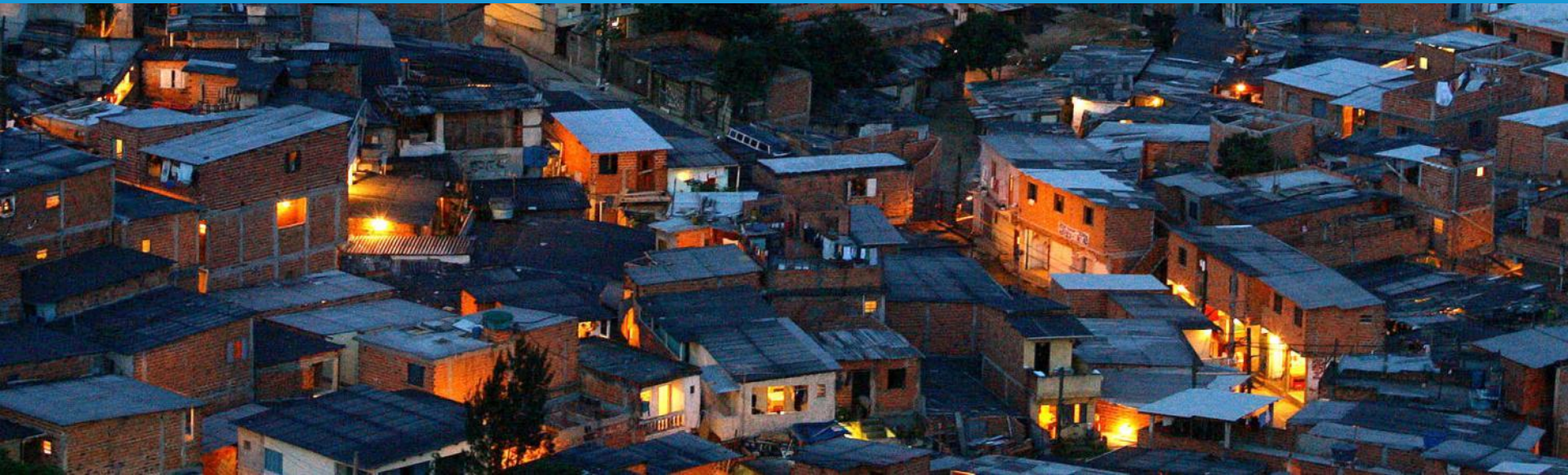


Sustainable Shelter Solutions: Local Building Culture & Building Back Safer

September 6, 2016

UN  **HABITAT**
FOR A BETTER URBAN FUTURE



01

Sri Lanka: Housing Reconstruction



Sri Lanka: Housing Reconstruction

- ❑ Thirty years of armed conflict leading to **large-scale displacement**
- ❑ 2010: Government of India announced to fund reconstruction of 50,000 units under the **Indian Housing Project**
- ❑ **Approach:**
 - ❑ Reconstruction driven by re-settled home owners through Gol grant (USD3,694 for new construction, USD1,679 for repair)
 - ❑ Technical assistance provided by **UN-Habitat** for:
 - ❑ selection of house plan, approvals, securing land tenure, selecting skilled workers, sourcing eco-friendly materials (CSEBs, recycled debris for foundations, treated timber for roofing, pre-cast concrete door and window frames) and construction training



Sri Lanka: Housing Reconstruction

- ❑ **Bulk purchase** of building materials and **support** to most vulnerable families through Village Reconstruction Committees (VCRs)
- ❑ Community meetings organised to share information on best practices
- ❑ **UN-Habitat track record for facilitation of**

17,500 NEWLY
CONSTRUCTED
HOUSES

444 REPAIRED
HOUSES



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444 REPAIRED
HOUSES

**Completion
Rate 99.6%**



Sri Lanka: Housing Reconstruction

Ms. Vasuki, from Killinochchi District, is a female head of household with five children. Having shown a keen interest in building a house with environmentally friendly features, she was selected to build a **“demonstration”** house. Working with the UN-Habitat technical team, Ms. Vasuki was responsible for the planning and supervision of the construction work. She also initiated several methods of minimizing wastage and reducing construction costs, including use of recycled building materials for the foundation and flooring. **“I am grateful to the Indian Government for giving me money to build this beautiful house. Although I had no money of my own, I took the responsibility to construct the house. I carefully followed the instructions given by the UN-Habitat engineers on new construction methods”** says Ms. Vasuki.



02

Sudan: Promoting Local Appropriate Materials



Sudan: Promoting Local Appropriate Materials

- ❑ Selecting building materials and technologies that have the potential
 - to be scaled up locally,
 - to create jobs, and support local economic development



- ❑ **Recognising the link** between housing, displacement and the environment: allowing for 30% reduction in construction costs
- ❑ “If all estimated 400,000 families currently displaced in Darfur return to their places of origin and reconstruct their destroyed homes utilizing the traditional building practices, with wood as the main structural element, they will need to find and **cut an estimated 16 million mature trees.**”
- ❑ **1800 persons trained**, primarily masons and technical schools; hundreds of block presses provided to government bodies, international and local NGOs, and academic institutions

Sudan: Promoting Local Appropriate Materials

Hand press machine is provided to the beneficiary



Sudan: Promoting Local Appropriate Materials

Benefits of stabilized soil blocks

- ❑ Reduction of use of water, wood
- ❑ Environmental friendly materials
- ❑ Labour intensive production > employment creation

Next to technical skills training, awareness raising needed



Thank You

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