

Earth Construction Technology

Use of Compressed Stabilised Earth Blocks (CSEB) as a building material for climate change adaptation

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Earth Builders' Association (EBA)

- EBA Goal: Sustainable Construction
- EBAMEMBERS: Construction Contractors committed to using and promoting earth technology, especially CSEB
- CSEB: Response to environmental problem => reduces: coastal erosion + construction carbon footprint





Private Residence; Picture: Earthworks Co.

Buildings
Constructed
using
CSEB



Private Residence; Picture: Gayfa Co. Ltd



MOH RCH Outreach Clinic; Picture: Mass Ent.

Capacity Building & Technology Transfer

- Training from Auroville Earth Institute in India on the production and use in construction of CSEB
- Step down training by EBA Members to local population (youth + women)
- Technology Transfer through importation of block press machines from India.
- All aspects of this cooperation are fully sponsored by ITC through an MOU with EBA

CHALLENGES

- Continued widespread use of cement and reinforced concrete technology gives the impression that it is the superior technology
- Lack of major public sector projects promoting the technology
- Lack of Public Sector Policy to encourage the use of CSEB; for e.g. in land use plan for 2020 - 2040 => projected need of 255, 582 households.

