



Building with Stabilized Mud, 1/e

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About the Book

Building construction using stabilized mud (soil) has been in vogue in different parts of the world for nearly six decades. However, the desirable practices have not been placed on a firm footing due to sporadic nature of the constructions. The situation is complicated due to the highly variable nature of soil as a construction material. This monograph is an attempt to summarise the best practices for the use of stabilized mud. It is essentially based on the experiences at ASTRA (Application of Science and Technology to Rural Areas) and Dept. of Civil Engineering, Indian Institute of Science, for more than three decades.

Salient Features

- ▶ It attempts to summarize the best practices for the use of stabilized mud in building construction.
- ▶ The processes of selection of materials, compaction, manufacture of mud blocks, and maintenance have been explained well, along with diagrams.
- ▶ Includes collection of 15 pictures at the end of the book for visual reference.

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About the Author

K.S. Jagadish :- K.S. Jagadish obtained his Ph.D. in Structural Engineering in 1969 from Indian Institute of Science (IISc). He joined the faculty of Civil Engineering in 1967 in the Institute and also spent a year as Post Doctoral Fellow at Karlsruhe University in Germany. He eventually became Professor of Civil Engineering in Indian Institute of Science in 1984. He concurrently took up the Chairmanship of the Centre of ASTRA from 1983 to 1989. After retirement in 2002 he was Emeritus Scientist for 4 years. In 2006 he took up Visiting Professorship at R. V. College of Engineering and mentored their Master's Program in Structural Engineering till Jan 2015. He is currently associated with a voluntary agency GRAMAVIDYA and is involved in the dissemination of Alternative Sustainable Technologies. His interests include Structural Dynamics, Earthquake Engineering, Shell Theory, Masonry Structures, Alternative Buildings and Rural Energy Systems.