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## EFFECT OF REPLACEMENT OF CONVENTIONAL BRICKS WITH LIGHTWEIGHT CELLULAR CONCRETE BLOCK ON COLUMN AND FOUNDATION FOR RESIDENTIAL BUILDING

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**ABSTRACT:-** A three storey residential building (2x3 Units of 2 BHK) is planned. Initially Conventional brickworks is considered for external and internal walls of buildings and analysis and design has been done. Later, Conventional bricks is replaced with CLC blocks for external and internal walls and loads on beam, columns and foundation has been found out. Comparison of loads on columns and foundation due to conventional bricks and CLC blocks has been done. Percentage reduction in loads on columns and foundation due to replacement of conventional brick by to use of CLC blocks is presented in this paper.

**Keywords—**Lightweight Cellular Concrete blocks (CLC Blocks), Concrete, Dead Load, Live Load, Slab, Columns, Foundation etc.

## STUDY OF DROUGHT IN MARATHWADA AND ITS ANALYSIS

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**ABSTRACT:-** In the last few years, the Marathwada region of Maharashtra has suffered water scarcity situation due to irregular rainfall accompanied by mismanagement of water. In this paper, an attempt is made to find the major reasons behind the drought situation, its impacts on livelihood of people and other living beings. Suicides of farmers of Marathwada region fetched enormous attention of printed media as well as electronic and social media. The way to analyze their problems and the remedial measures that could be adopted to overcome the worsening situation of drought are also highlighted.

**Keywords—**Drought, Marathwada, cropping pattern, Kharif, Rabi.

