

Proceeding of the  
**National Conference**  
on  
Recent Innovation in Engineering

22-23, February 2017



**NCRIE-2017**



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## STUDY OF CELLULAR LIGHT WEIGHT CONCRETE BLOCKS

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**ABSTRACT:-** As building techniques and materials have evolved over thousands of years with the increase in material cost in the construction industry, there is a need to find more cost saving alternatives so as to make economical construction. Cellular Light Weight concrete Block (CLC) is an innovative technique for building masonry unit which reduces the cost of construction, time and labor considerably. This study describes nature of foamed concrete, its composition, properties and the way by which it is useful in civil engineering. The use of light weight foamed concrete offers many benefits like cost saving, fast completion as compared to other material such as steel and timber. The light weight concrete is manufactured in two methods, first is mixing a preformed foam and second is designated as autoclaved aerated concrete consisting of mix of lime, sand, cement, water and expansion age

**Keywords—**Foaming agent, cellular light weight concrete blocks, fly ash, and CLC technology.

