**Behaviour of Geopolymer Concrete**

**ABSTRACT**:

Geopolymer concrete an innovative material that is characterized by long chains or networks of inorganic molecules is a potential alternative to conventional Portland cement concrete for use in transportation infrastructure construction. It relies on minimally processed natural materials or industrial by products to significantly reduce its carbon footprint, while also being very resistant to many of the durability issues that can plague conventional concrete. However, the development of this material is still in its infancy, and a number of advancements are still needed. This briefly describes geopolymer concrete materials and explores some of their strengths, weaknesses, and potential applications. In this paper we discuss the strength and behaviour of geopolymer concrete.

**KEYWORDS**: Geopolymer Liquid, Compressive Strength