GEOPOLYMER CEMENT

New sustainable technologies are being adopted to meet the twin paradox of balancing demand and reducing carbon footprint of the processes. Geopolymer Cement utilising waste by-products like fly ash and blast furnace slag is one such technology that while retaining most features of ordinary Portland cement, is also green. It has significant carbon emission reduction potential (over 70% as compared to OPC) and contributes positively towards the environment.

SALIENT FEATURES

- Properties similar to Portland Pozzolana Cement.
- Fire resistant up to 900 degrees Celsius.
- Major raw materials include fly ash, ground granulated blast furnace slag, chemical. admixtures, and commercial grade alkali hydroxide or silicates.

COMPARATIVE ADVANTAGES

- LEED Green Building Technology compliant.
- Higher durability than OPC .
- 70 % less CO2 generation.

