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## Response of GGBS Treated Clay Soil Reinforced with Human Hair

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**Abstract**: An expansive soil is a weak soil because it has high swelling and shrinkage in wet and dry condition. Many techniques are available for increasing the strength of the soil and to make better foundation for structures. This paper deals with stabilization of clay soil treated with constant percentage of GGBS and by the aspect ratio (L/D) different percentage of Natural fibers like human hair are added separately. The soil properties with the above combinations are evaluated by using laboratory experiment. The optimum UCC value is obtained by 25% of GGBS 2% of human hair. Combination of GGBS & human hair treated soil can increase the index properties and compressive strength of the soil.

**Key Words:** Expansive Clay, GGBS, Natural fibers, Index properties, UCC strength.

P.Sasikumar et al /International Journal of ChemTech Research, 2017,10(8): 709-715,

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