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Citations (5) References (10) Abstract This paper presents an experimental investigation on flexural response of self-compacting geopolymer concrete (SCGC) beams by partial replacement of fly ash by GGBFS and various replacement of River sand by M-sand under two point loading. Mixtures were prepared with alkaline liquid to binder ratio by mass value is 0.33 for mix M1, M2, M3, M4, M5.The molarity of sodium hydroxide is 12M and replacement of fly ash by GGBFS of 30% is kept as constant for all mix. The ratio between sodium hydroxide to sodium silicate solution is 1:2.5. The specimen was cured for 48 hrs of heat curing and 28 days of ambient curing. Super Plasticizer is added to achieve the properties of self- compacting geopolymer concrete (SCGC). It is found that the SCGC beams have shown good improvement in flexural strength.	Discover the world's research • 19+ million members • 135+ million publications • 700k proje Join for free proje	
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