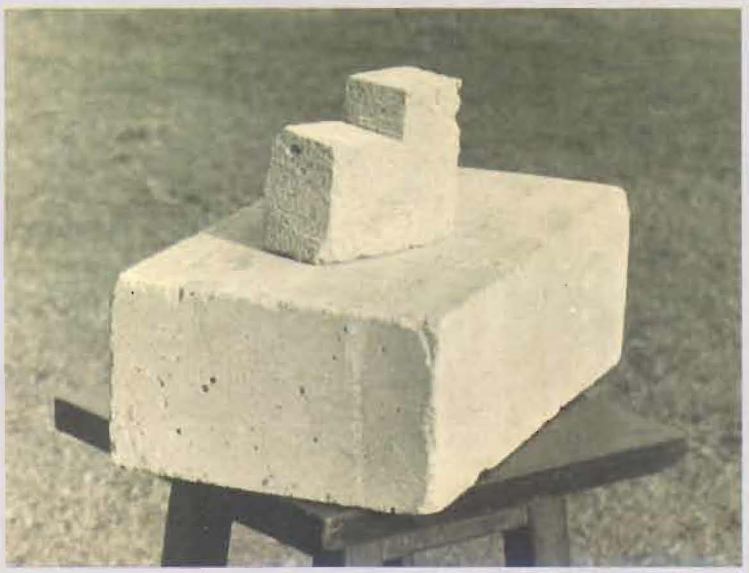
Central Building Research Institute

Roorkee

Aerated Concrete from Lime and Flyash



Application/Uses:	Suitable for partition walls, provides better thermal and acoustic properties.
Salient Technical Features:	The technology is an eco-friendly, as compared to the one based on cement.
Environmental Aspects:	It utilizes the industrial waste i.e. flyash, which is an environmental hazard.
Level/Scale of: Development	Laboratory investigations have been carried out to fix the proportion of raw materials, suitable pressure and time for autoclaving. Factory trials completed.
Status of : Commercialisation	Ready for commercialisation.
Major Components/: Raw Materials	Flyash, lime-stone, gypsum, aluminium powder and coal.
Major Plant Equipment: and Machinery	Ball mills, mixer, moulds, lime kiln, autoclaves, materials handling equipment etc.
Techno-Economics:	Capital investment of approx. Rs.13 crores for plant of capacity 360 m /day.
Technology Package:	Design know-how and process technology.

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