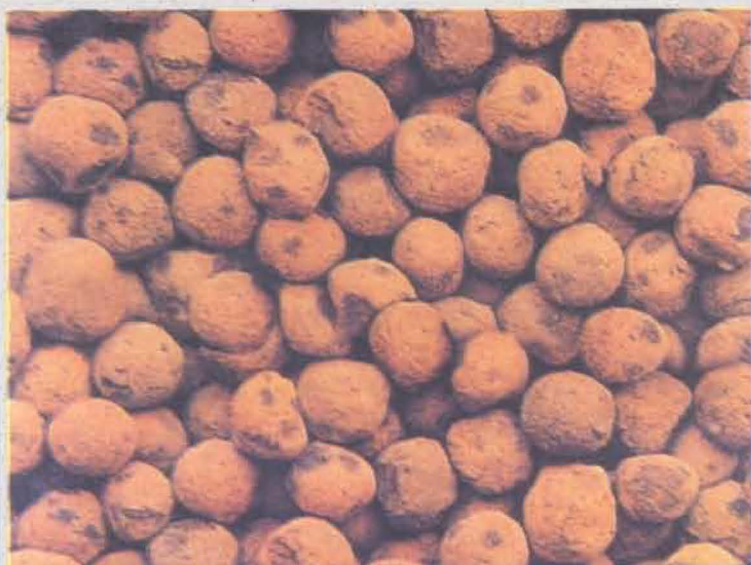




# Central Building Research Institute Roorkee

## Sintered Flyash Lightweight Aggregates



- Application/Uses:** Suitable for use as aggregates in concrete for lightweight construction works.
- Salient Technical Features:** Sintered fly ash lightweight aggregates as new building material, can be produced on continuous basis.
- Environmental Aspects:** Flyash, the waste product of thermal power plants, is utilized for production of the lightweight aggregates. Hence it reduces the environmental degradation and hazards thereof.
- Level/Scale of :  
Development** Based on the pilot plant studies undertaken by the Institute, a demonstration-cum-commercial unit of capacity 50 tpd has been proposed.
- Status of Commercialisation:** Ready for commercialisation.
- Major Components/ :  
Raw Materials** Flyash and clay.
- Major Plant Equipment :  
and Machinery** Sintering machine, ribbon mixer, conveyor, materials processing and handling machinery.
- Techno-Economics:** The technology will be economical in selected areas of the country such as Kolkata and its proximity on account of the feasibility studies. Total investment of approx. Rs. 40 lakh per plant of capacity of 50 tonnes/day.
- Technology Package:** Technology profile, know-how document.

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