



CENTRAL BUILDING RESEARCH INSTITUTE ROORKEE

Sand-Lime Bricks



Application/Uses	:	Building industry
Salient Technical Features	:	Uses 90% sand and 10% hydrated lime. Pressed bricks are put into autoclave for steam curing. Bricks are of uniform size and shape, have high wet compressive strength, low drying shrinkage and are free from efflorescence
Environmental Aspects	:	No special measures are required
Level/Scale of Development	:	Developed on pilot scale
Status of Commercialisation	:	One licensee; Plant in production
Major Components/ Raw Materials	:	Sand and hydrated lime
Major Plant Equipment and Machinery	:	Box feeder, bucket elevator, double shaft mixers, hydraulic press, autoclave, boiler, pulveriser
Techno-Economics	:	Investment for a plant for producing 40,000 bricks per day in 3 shifts is approximately Rs. 280 lakh. The production cost of 1000 bricks comes to Rs. 1150/= approx.
Technology Package	:	Process know-how, quality assurance methods, process demonstration

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