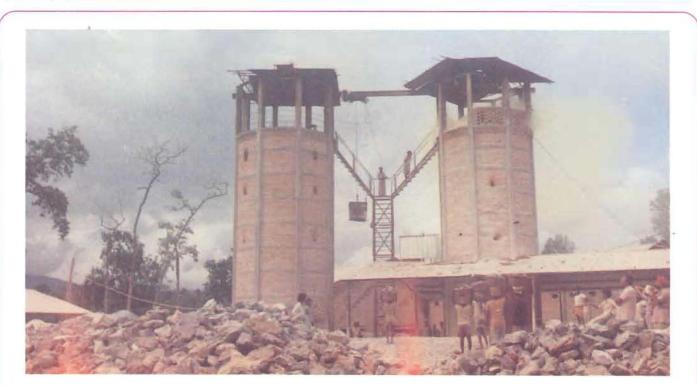


CENTRAL BUILDING RESEARCH INSTITUTE ROORKEE

Improved Kiln for Burning Limestone



Application/Uses	÷	Building, chemical and allied process industries
Salient Technical Features	:	Mixed-feed (coal fired) vertical shaft masonry encased in RCC ring beams and columns with thermal efficiencies 10-15% higher than conventional lime kilns
Environmental Aspects	Ę	A pollution control system has been developed and patent filed
Level/Scale of Development	÷	Designs developed for capacities 5, 10 and 15 tonnes of quick lime per day
Status of Commercialisation	:	16 licencees;Technology in production
Major Components/ Raw Materials	:	Limestones (calcitic as well as dolomitic), masonry structure lined with refractory bricks
Major Plant Equipment and Machinery	;	Vertical shaft lime kiln and charging device
Techno-Economics	:	Total investment on plant/equipment and machinery is of the order of Rs. 5, 7.5 and 10 lakh for capacities 5, 10 and 15 tpd
Technology Package		Design drawings of lime kiln; equipment specifications for charging device

For further details please contact :

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