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	:	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 :

Director
Central Building Research Institute, Roorkee - 247 667 (INDIA)
Phone : +91 1332 72243; Telex : 0597 203 CBRI IN
Fax : +91 1332 72272 & 72543; E. Mail : cbri@sirnetd.ernet.in