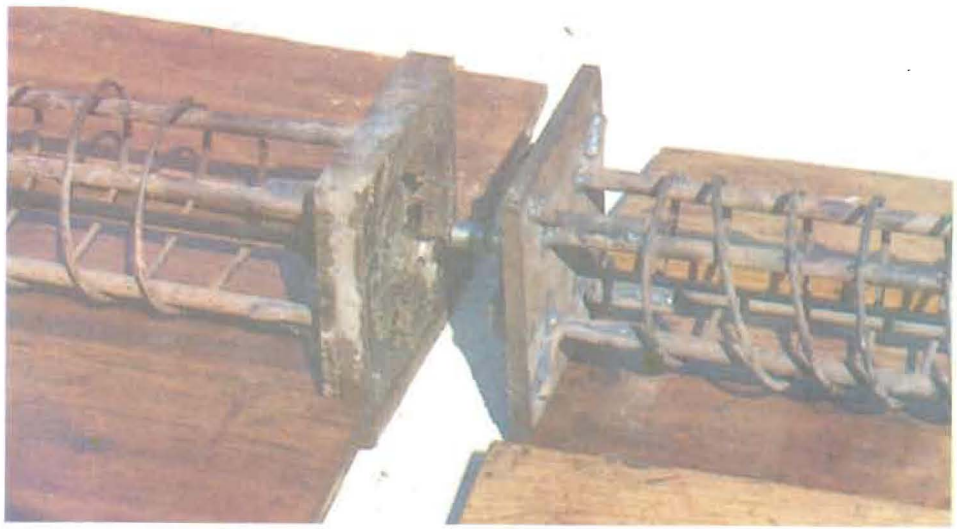
CENTRAL BUILDING RESEARCH INSTITUTE
ROORKEE

Spliced Pile Technology



Application/Uses	:	Suitable for use in foundation of strutures of various types including residential and industrial buildings in deep deposits of soft clays.
Salient Technical Features	:	The technology is an improvement in construction of precast piles using splicing system at suitable intervals as a technique to provide economical and efficient foudation in deep deposits of soft soils where longer lengths are involved.
Environmental Aspects	:	No adverse effects on the environment
Level/Scale of Development	:	Prototype tests in cohesionless soils and in deep deposits of soft clays were conducted. Spliced piles were found comparable to intact piles.
Status of Commercialisation	:	The technology is ready for licencing and is covered by patent nos. 165155, 165156, 165157 and 165158.
Major Components/ Raw Materials	:	Miled steel for fabrication of splices and cement, aggregate and reinforcing steel.
Major Plant Equipment and Machinery	:	Standard mechanical workshop facilities.
Techno-Economics	:	Cost, performance of the spliced and intact piles are almost comparable in various loading conditions. Main advantage of the technology over intact piles is that the effort in pile driving in segments facilitates use of lighter and easily movable driving rigs instead of heavy ones presently used for long precast piles.
Technology Package	:	Complete design and construction know-how.

For further details please contact :

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