



CENTRAL BUILDING RESEARCH INSTITUTE ROORKEE

Mini Climbing Crane

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| Application/Uses | : Light duty material handling device for building construction with excellent in-built flexibility to suit diversified site conditions. |
| Salient Technical Features | : Need no anchorage with surrounding structure. Can be dismantled into a number of sub-assemblies for easy shifting. Lifting capacity : 1000 kg at 1 m radius; 500 kg at 2 m radius; 250 kg at 4 m radius. Hoisting speed 10 m/min and 20 m/min. Power requirement : 5 HP. |
| Environmental Aspects | : No special measures are required |
| Level/Scale of Development | : Prototype designed, tested & standardised |
| Status of Commercialisation | : Five licences; technology in production |
| Major Components | : Standard steel sections; electric motors; speed reducers |
| Major Plant Equipment and Machinery | : Standard mechanical workshop facilities. |
| Techno-Economics | : Estimated capital investment would be about Rs. 15 lakh. Cost of the typical crane would be approximately Rs. 2 lakh |
| Technology Package | : Production drawings; fabrication procedure; specifications of standard components. |



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