



## CENTRAL BUILDING RESEARCH INSTITUTE ROORKEE

### Epoxy-phenolic IPNet-RB Coating for Steel Reinforcement in RCC



<b>Application/Uses</b>	: Corrosion protection of steel reinforcement
<b>Salient Technical Features</b>	: Resistant to chemicals. Excellent adhesion to steel reinforcement. Excellent bond of coated bars with concrete. Durable and easy application. Cost effective.
<b>Environmental Aspects</b>	: Normal measures adopted by the paint industry
<b>Level/Scale of Development</b>	: Laboratory scale
<b>Status of Commercialisation</b>	: Licenced to 1 party. Product is commercially available
<b>Major Components/ Raw Materials</b>	: Epoxy resin base and hardner, prepolymer of cardanol and other additives
<b>Major Plant Equipment and Machinery</b>	: Blender, mixer, reaction kettle, sieving and laboratory equipment
<b>Techno-Economics</b>	: Investment of Rs. 40 - 50 lakh for a plant of capacity 100 ltrs per day
<b>Technology Package</b>	: Process know-how document, demohstration, assistance in production

*For further details please contact :*

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