

## Research & Development Schemes of CPRI under XII Five Year Plan

Sl. No.	Name of the projects/project components	Project Outlay (Rs. in cr.)	Duration in months	Objective
	Research & Development Schemes of CPRI	80.00	34	
(i)	Plan R&D (Research & Contingency)	15.00		Augmentation of Research and testing facilities. Improvements / New techniques in testing/Diagnostic methods/Research studies. Product / Process Improvements. Improvement in product standardization.
(ii)	Research Scheme on Power	20.00		<p>The research proposals as recommended by the RSOP Expert Committee constituted by the Ministry of Power generally belong to the following broad areas:</p> <ol style="list-style-type: none"> <li>1) Decentralized generation</li> <li>2) Power Electronics application to power system</li> <li>3) Improvements in power generation, transmission and distribution systems</li> <li>4) Advanced Remaining Life Assessment (RLA) methodologies</li> <li>5) Information &amp; Communication technology applications to Power Sector</li> <li>6) Insulation Engineering and Technology for HTS based Power Apparatus</li> </ol>
(iii)	National Perspective Plan R&D Scheme	45.00		The Ministry of Power (MoP), Government of India, under its Plan Scheme 'National Perspective Plan (NPP) for R&D in Indian Power Sector' is promoting research in the area of Power. The projects proposed under this scheme are focused

			<p>on development of New Product / Process Development leading to field implementation.</p> <p>The basic objectives of R&amp;D under NPP scheme are:</p> <p>Establishing linkage between the basic and the applied research &amp; development needs of the power sector.</p> <p>Evolving national and organizational level research &amp; development plans.</p> <p>Indicating desirable limits for the expenditure and priority for research &amp; development.</p> <p>Channelizing the outcome of research for the benefit of the customers and for improving the operational efficiency of the power sector.</p> <p>The projects under NPP generally cover the activities taken up after successful completion of a lab scale/bench scale work either by industry and/or by lab/institution till completion of technology development and demonstration of the product(s) developed as commercially producible prototypes/or the processes at a pilot/demonstration scale before further commercialization of that technology. The project can be (a) for design and development of engineered prototypes, (b) for design, development and demonstration of pilot plant level process technologies for process development products such as chemicals, fertilizers, metallurgical industry etc.</p>
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