

**“Augmentation of High Power Short Circuit Test facilities by installation of two Additional 2500 MVA Generators with associated equipment” (out lay of Rs.640.00 crore) under XII Plan**

**Projects with details of project components**

<b>Sl. No.</b>	<b>Name of the projects/project components</b>	<b>Cost (Rs. in cr.)</b>	<b>Duration in months</b>	<b>Objective</b>
A	“Augmentation of High Power Short Circuit Test facilities by installation of two Additional 2500 MVA Generators with associated equipment”	640.00		
(i)	Augmentation of High Power Short Circuit Test facilities by installation of two Additional 2500 MVA Generators with associated equipment at High Power Laboratory, CPRI, Bangalore	509.00	42	This is required to be undertaken not only to sustain the current High Power Laboratory activities but also to serve the clients who go abroad for testing of their equipment’s because of non-availability of test capacity in the country.
(ii)	Establishment of “350 MVA on line Short Circuit Test Station” at UHV Research Laboratory, Hyderabad	120.00	36	This facility will further improve the utility of Ultra High Voltage Laboratory as High Voltage & Short Circuit tests can be conducted serially and also serve the customers in & around this region.
(iii)	Establishment of Short Circuit testing transformers, Excitation System for existing Generator	11.00	24	This is aimed at rejuvenating the aged Short Circuit Generator by refurbishing important components and motor less excitation operation to enhance its life.

