

**Projects with details of project components of Augmentation and New Facilities
Projects under XII Five Year Plan**

Sl. No.	Name of the projects/project components	Project Outlay (Rs. in cr.)	Duration in months	Objective
	Augmentation and New Facilities Projects under XII Plan	105.90	36	
01	Upgradation of High Voltage/Ultra High Voltage Test facilities	14.00	24	This project aims to upgrade the current generator facility for enhanced capacity for testing Lightning arresters in the High Voltage laboratory at CPRI, Bangalore.
02	Upgradation of Real Time Digital Simulator	8.35	12	Upgradation will enhance capacity of existing Real Time Digital Simulator to simulate more complex and larger power network required to cater to growing technological advancement.
03	Augmentation of energy meter & calibration laboratory	15.87	12	A steady raise in demand for energy meter testing at CPRI Units, needs augmentation of facility to avoid delay in testing. Old & worn out equipment should be replaced with new ones alongwith increasing of the existing capacity of Energy Meter test facility at RTL, CPRI Noida, STDS, CPRI, Bhopal, CPRI, Bangalore are planned.
04	Augmentation of Protocol and Meter Testing Laboratory	15.68	24	The current facility can cater to only partially, the testing requirements under EMI/EMC compliance of equipment. When augmented, it will provide comprehensive test facility under one roof.
05	Establishment of test facility for a) Solar PV based Grid tied Inverter systems (upto 500 kVA) and b) Solar PV	28.00	24	These facilities will provide enhanced capacity for testing of Solar photovoltaic module and Grid tied inverter for which

	modules (up to 500 Wp)			facility is not available under third party testing laboratories in the country.
06	Augmentation, Modernization and Capacity Addition of battery, Ingress protection and Illumination test facilities	11.00	24	The augmentation will help to meet the increase in testing demand of the batteries, large ingress protection panels, and illumination test facilities.
07	Augmentation & Modernisation of Diagnostics, Cables, Capacitors, Temperature Rise test, Environmental test facilities	13.00	12	The testing facilities are upgraded to meet the testing needs of higher rating devices and the increased demand(220kV cables to 400kV cables).

