

Electrical power system analysis [3 – 0 – 1]

Course #:0904462

Prereq.: 0904361+0904362

Power system components and single line diagram. Phasors, analysis of three phase balanced power systems, power factor correction. per-unit system; transmission lines: short; medium and long; equivalent circuits and RLC parameters; cables; sequence networks of synchronous machines and power transformers; load flow; symmetrical components; symmetrical and asymmetrical fault analysis