

Testing Facilities and maximum ratings of equipment to be tested

KERI extended its High Power Testing Laboratory with a new section in order to increase testing capabilities up to 4000 MVA short-circuit power through installation of a second Short-circuit Generator, new Short-circuit Transformers and the rearrangement of the power circuits supplying the different test bays. KERI requested a review of some detailed design Technical Specification.

Tasks performed:

- Definition of appropriate guide lines to exploit the total available short-circuit power of the SCG parallel operated,
- Review of the Technical Specifications concerning:
 - New three Short-circuit Transformers bank: 1100 MVA, 60 MVA and 45 MVA,
 - Single line diagram of the extended Laboratory configuration,
 - Layout of High Power Test Facilities,
 - Control, monitoring and data acquisition systems,
 - Grounding system.

