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Test circuit and equipment of 20 kV DC superconducting cable line.

Major electrical equipment of 20 kV DC transmission using a superconducting cable line is represented. The results of preliminary testing of valve part of equipment are submitted. Three-pulse back-to-back test circuit for comprehensive try-out of DC transmission equipment is created.

Keywords: high-temperature superconductivity, cable lines, DC transmission, 3-pulse back-to-back test circuit.

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