## Order Received from Korea Electrotechnology Research Institute for 4,000-MVA-Class Short-Circuit Generator and Associated Equipment for High-Power Testing

Tokyo March 4, 2013 --- Hitachi, Ltd. (TSE: 6501, "Hitachi") today announced that it had received an order from the Korea Electrotechnology Research Institute (KERI) of South Korea for a 4,000-MVA-class short circuit generator\* (2 × 2,000-MVA-class units) and associated equipment for installation at the high-power testing facility at Changwon in South Gyeongsang Province.

With increasing global demand for electric power leading to electrical transmission and distribution equipment with ever larger capacities, there is a requirement to obtain certification of compliance with international standards to certify equipment reliability. The quantity of equipment requiring certification is also increasing. Because the future certification of high-capacity transmission and distribution equipment will require inspection and testing work to be performed at testing facilities such as KERI, at which thus additional equipment is needed.

This new order for short-circuit generators is intended for use in short circuit testing at the high-power testing facility of KERI, a well-recognized testing and certification body in the international heavy electrical equipment sector. The order is for the supply by Hitachi of two 2,000-MVA short-circuit generators to satisfy KERI's requirement for a 4,000-MVA-class system. Delivery is scheduled for 2015.

To withstand harsh operating conditions involving frequent high current tests, the Hitachi short-circuit generators have a special design that is different from conventional generators (incorporating the mechanical durability to cope with the electromagnetic forces and torques that occur during a short circuit), and an electrical design that is capable of supplying high current with low attenuation. Supplying the system in the form of two 2,000-MVA-class units improves testing efficiency because it increases the total test capacity available when the units are operated in parallel while also allowing tests to be performed simultaneously by operating the units independently. Hitachi previously supplied a 600-MVA short-circuit generator system to KERI in 1998.

Hitachi is actively marketing its short-circuit generators in emerging economies where future demand is anticipated, with the aim of accelerating the global activities of its Social Innovation Business.

\* Short-circuit generator: A special type of generator able to supply the high, short-duration current required for tasks such as the short circuit testing of circuit breakers. Short circuiting the output of the generator causes a sudden increase in current (short circuit current), and it is this current that is used for testing.

## ABOUT Hitachi, Ltd.

Hitachi, Ltd. (TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 320,000 employees worldwide. Fiscal 2011 (ended March 31, 2012) consolidated revenues totalled 9,665 billion yen (\$117.8 billion). Hitachi is focusing more than ever on the Social Innovation Business, which includes information and telecommunication systems, power systems, industrial, transportation and urban development systems, as well as the sophisticated materials and key devices that support them.

For more information on Hitachi, please visit the company's website at <a href="http://www.hitachi.com">http://www.hitachi.com</a>.

Information contained in this news release is current as
of the date of the press announcement, but may be subject
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