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**TMEIC-GE Receives Drives Order for Shovel Excavators in India**

**(Roanoke, Va.) Sept. 4, 2008**– TMEIC GE has received an order from GE Motors Peterborough, Canada, for ten DC-EXX Drive Systems to be installed in new rope shovel excavators for iron and coal mines in India.

The order was placed last month by Bucyrus International for National Mineral Development Corporation (NMDC), with the first three allocated to iron ore mines near the state of Chhattisgarh. The first shovel system for the multimillion project is expected to be commissioned in 2009.

Because the DC-EXX drives have been engineered to perform in demanding environments, they are ideally suited for this installation in India’s mountainous mining region, says William Horvath, PE, General Industries A.E. Team Leader, TMEIC-GE Automation Systems.

“The DC-EXX drive system has proven to be highly reliable for excavator applications,” says Horvath. “Combined with GE’s powerful DC motor technology, this drive application is fast becoming an industry standard.”

DC-EXX is an innovative hardware-software system that employs proven Insulated Gate Bipolar Transistor (IGBT) field exciter-regulators fed from an energy-efficient common DC bus. A simple diode DC rectifier powers this bus—one for both the generator fields and motor fields. This unique configuration provides significant key benefits, including:

- \* High response digital control for superior machine control and protection.
- \* Improved performance and reliability with compared to last generation systems
- \* Ease-of-maintenance: fewer, common spares and an easy-to-read flat-screen interface to speed setup and troubleshooting
- \* Faster motion stop to protect motors and generators, while increasing brake life
- \* Built on proven technology and more than 50 years of GE experience in motors and controls for the mining industry.

The DC-EXX drive has been chosen for its exceptional durability for seven new and retrofit dragline applications in Australian coal mines. Draglines in Billiton Mitsubishi Alliance (BMA) and Blair Athol mines have recently begun digging; others owned by Ensham, Aquila, and Bloomfield are expected to begin in late 2008 and early 2009. For these and future orders, the DC-EXX was selected for its optimum performance in controlling DC motors operating in the demanding excavator applications.

For more information on TMEIC-GE DC-EXX drive solutions, log on to  
<http://www.tmeicge.com/main/industry.php?I1=33>

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**About TMEIC GE**

TMEIC GE is a joint venture between Toshiba, Mitsubishi Electric, and General Electric in the industrial drive systems business. The company employs 2,200 people and has annual sales in excess of \$2B. TMEIC GE is built on the combined and proud heritage of these companies, delivering customer success--every project, every time. [www.tmeicge.com](http://www.tmeicge.com)