The most Powerful Mill Drives for one of the Largest Iron-ore Projects in the
World – Siemens Equips 40-foot AG Mills for Sino Iron Project in Australia

The Siemens Industrial Solutions and Services Group (I&S) has received an order
from CITIC Heavy Machinery, Luoyang, to supply gearless drive systems for five
40-foot autogenous grinding mills. The systems from Siemens each have an
output of 28 MW and are therefore the most powerful mill drives that are
commercially available. The AG mills are intended for use in Australia in “Sino
Iron”, one of the largest open-cast iron-ore mining projects in the world. The
order is worth around 60 million euros and the ore mills are scheduled to start
operating successively in the course of 2009.

The Sino Iron project in the Pilbara region of west Australia is being developed by
CITIC Pacific (Hong Kong) Co. Ltd in collaboration with Chinese steel producers such
as Wuhan Iron & Steel Corporation, Tangshan Iron & Steel Corp, and Handan Iron &
Steel Corporation. The China Metallurgical Group Corp (MCC) is responsible for the
construction work. The mine is to start production in 2009 and, after completion in 2010,
will have a capacity of 24 million metric tons of concentrate, making it one of the largest
open-cast iron-ore mines in the world.

Five 40-foot AG (autogenous grinding) mills will be used for grinding the ore.
Ren Qinxin, General Manager of Citic Heavy Machinery commented: „This is a
landmark project for both our companies. It is the biggest order for ore mills ever placed
in the mining industry. With Siemens, we have a good cooperation history and a deep
relationship. We are confident together we will be able to successfully implement this outstanding project.

For the ore mills, Siemens is supplying the gearless drives, each with an output of 28 MW. These systems are the most powerful mill drives available on the market. Moreover, gearless drives are more efficient than geared motors. The Siemens drives therefore have the lowest energy consumption in their class. Compared to conventional solutions, the costs of material and maintenance for drives without gears and a coupling are also substantially lower. Moreover, longer service intervals reduce maintenance costs additionally while increasing the availability of the installation as a whole. At the same time, speed variability and transvector control ensure that the operating point of the motor can be exactly matched to different requirements such as when materials of different degrees of hardness have to be processed or if different operating modes prove to be necessary for a particular purpose.

Further information at: http://www.siemens.com/mining

A photo supplements this press release. Please see: http://www.industry.siemens.com/data/presse/pics/10076669.jpg

Siemens will supply drive systems for 40-foot ore mills: Ren Qinxin (r.), General Manager of Citic Heavy Machinery and Thomas Theinert, Vice President Siemens Ltd. China at the signing ceremony in October 2007.
The Siemens Industrial Solutions and Services Group (I&S) is the integrator of systems and solutions for industrial and infrastructure facilities and global service provider for the plant and projects business covering planning, installation, operation and the entire life cycle. I&S uses its own products and systems and process technologies in order to enhance productivity and improve competitiveness of companies in the sectors of metallurgy, water treatment, pulp and paper, oil and gas, marine engineering, open-cast mining, airport logistics, postal automation, intelligent traffic systems and industrial services. In fiscal 2007 (to September 30) I&S employed a total of 37,000 people worldwide and achieved total sales of EUR 8.894 billion, according to U.S. GAAP.

Further information and downloads at: http://www.industry.siemens.com