



## *Copper Outlook 2011*

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### **Copper (Cu)**

#### *About Copper*

**Copper is a ductile, malleable, corrosion-resistant & eminently recyclable metal. It has the ability to acquire additional features like hardness, tensile strength & much greater resistance to corrosion. Its key property is the fact that it is an excellent conductor of electricity. Copper can be utilized in various applications and across industries. Its major applications according to the European Copper Institute are briefed below.**

Copper was the first mineral that man extracted from the earth and along with tin gave rise to the Bronze Age. As the ages and technology progressed the uses for copper increased. As per London Metal Exchange (LME) world production for 2007 was 17,974,300 Tonnes Per Annum.

#### *Main Uses of Copper*

Its main use is for the production of cable, wire and electrical products. Construction industry accounts for the second largest usage in areas like building wire, pipes for plumbing, heating & ventilating and sheet metal facings.

#### *Key Applications as per European Copper Institute*

1. *Electricity & Energy*
2. *Aquaculture*
3. *Antimicrobial Copper*
4. *Telecommunications*
5. *Architecture*
6. *Plumbing & Heating*
7. *Rational Use of Energy*
8. *Renewable Energy*

