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World Copper

Industry Study with Forecasts for **2019 & 2024**

Study #3274 | April 2015 | \$6300 | 377 pages

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Growth in copper metal demand will be driven by robust gains in building copper wire and tube, increased investment in electric power wire and cable, and advances in durable goods manufacturing output.

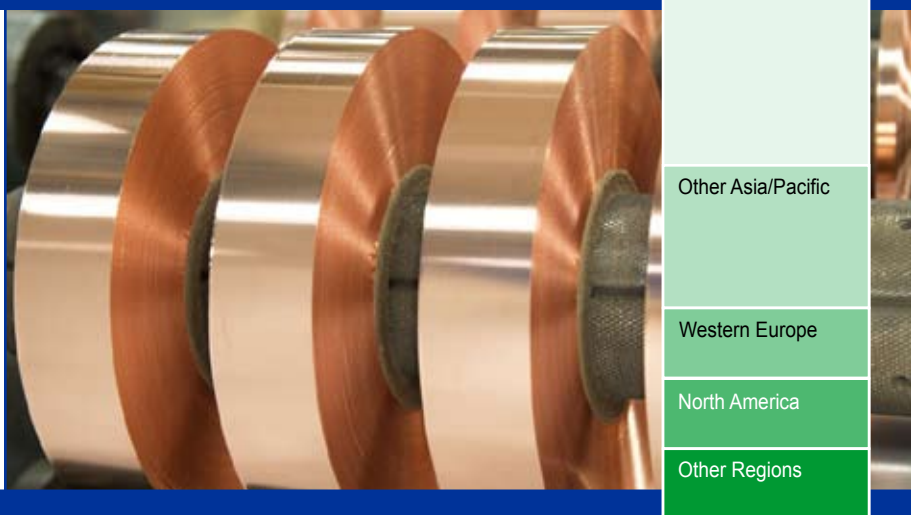
World demand to rise 4.2% annually through 2019

Global demand for copper metal (produced from refined copper and recycled scrap) is projected to advance 4.2 percent per year through 2019 to 36.0 million metric tons, valued at \$261 billion. Robust gains in building construction expenditures are expected to boost the use of copper wire, tube, and other mill products in applications such as building wire and plumbing. Increased infrastructure investment, particularly in developing countries, will further benefit copper suppliers as updates to national power grids drive the production of wire and cable. In addition, advances in global manufacturing output are expected to bolster the use of copper metal in transportation equipment, industrial machinery, domestic appliances, and other durable goods.

India to be fastest growing major market

China drives the global copper metal market, accounting for more than two-fifths of world demand in 2014. The country's massive building construction and electrical and electronic sectors consume huge volumes of copper in the production of electrical wire, pipe, personal and business electronics, and telecommunications equipment. Strong domestic output of motor vehicles, industrial machinery, and household appliances further boosts copper demand in China.

World Copper Metal Demand (36 million metric tons, 2019)



India is forecast to register the fastest gains of any major copper metal market through 2019. Robust increases in domestic building construction activity, driven in part by an expanding urban population and government investment, will underpin gains in local copper consumption. Advances in construction spending are also projected to fuel copper demand in North America, particularly in the US, where building construction activity will significantly accelerate from the pace of the 2009-2014 period. More moderate increases in copper metal demand are forecast for Western Europe, where construction and manufacturing output will climb at rates below the global average.

Copper mine production to rise 3.7% annually

Global copper mine production is expected to rise 3.7 percent per year to 22.6 million metric tons in 2019. Rapid annual increases are forecast for countries such as Canada, Mexico, and Zambia, where ongoing development of copper projects will propel gains. In Central and South America -- the leading regional supplier of copper ore and concentrates -- Peru is projected to post robust gains in copper mine output. Production of copper ore and concentrates in Chile, which accounted for nearly 30 percent of global output in 2014, will rise at a more modest pace, limited by the country's aging mines.

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Sample Text, Table & Chart

ASIA/PACIFIC

China: Copper Markets

China is by far the leading global consumer of copper, accounting for 42 percent of the world total in 2014 with a demand of 12.2 million metric tons. China is an intensive consumer when gauged against population, supported by the country's manufacturing sector. Strong output of electronics, industrial appliances, and other products manufactured with copper per capita copper use. The majority of copper metal consumed is supplied by domestic refineries. In contrast to the upstream copper industry, China's copper mills rely much less heavily to satisfy demand. Nevertheless, the country is expected to be an importer of copper mill products, sourcing sizable volume from Japan, Indonesia, and South Korea.

Demand for copper metal in China is forecast to rise to 13.5 million metric tons in 2019, representing a 11 percent increase from the 12.2 million metric tons in 2014. Demand in the building and construction segment is projected to remain the fastest growing through 2019, expanding 6.5 percent annually to 8.2 million metric tons. Robust gains in building construction, driven by higher building unit, largely a result of increased telecommunications wire, will continue to advance much faster than other activity in China will post a 10 percent increase from the 2004-2014 decade. In addition, copper tube and wire applications, restrained by slower growth in other applications, will

China is projected to rise to 12.2 million metric tons in 2014.

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SAMPLE
TEXT

TABLE VII-8

INDIA: COPPER DEMAND BY MARKET
(thousand metric tons)

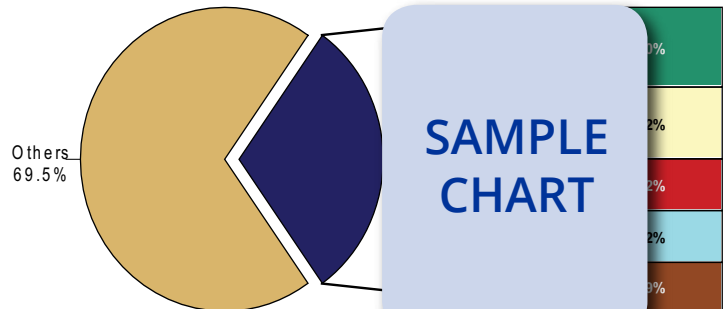
Item	2004	2009	2014	2019	2024
Building Construction Expend (bil 2013\$) m tons total copper/mil \$ construction					
Manufacturing Value Added (bil 2013\$) m tons total copper/mil \$ MVA					
Refined Copper Demand + direct melt scrap + net imports & stock change of mill prdts					
Total Copper Metal Demand Building Construction Electrical & Electronic Transportation Equipment Industrial Products Consumer & Other					
% India Asia/Pacific Copper Demand					

SAMPLE
TABLE

Source: The Freedonia Group, Inc.

CHART IX-1

WORLD REFINED COPPER MARKET SHARE, 2014
(22.9 million metric tons)



SAMPLE
CHART

Sample Profile & Table, & Study Coverage

TABLE VI-11
SPAIN: COPPER SUPPLY & DEMAND
 (thousand metric tons)

Item	2004	2009	2014	2019	2024
Gross Domestic Product (bil 2013\$)					
\$ GDP/capita					
Population (million persons)					
Copper Mine Production					
Copper Smelter Production					
Refined Copper Production					
Electrolytic:					
Primary					
Secondary					
Electrowon					
net imports & stock changes					
Refined Copper Demand					

Source: The Freedonia Group, Inc.

COMPANY PROFILES

Hindalco Industries Limited

Century Bhavan, 3rd Floor
 Dr. Annie Besant Road
 Worli, Mumbai 400 030
 India
 91-22-6662-
<http://www.h>

Revenues: \$
 Geographic
 Other Count
 Employment

Key Products: copper cathodes, continuous copper rods, and copper concentrates

Hindalco Industries produces foil rolling products, alumina chemicals, primary aluminum, aluminum extrusions and rolled products, wire rods, aluminum foils, aluminum alloy wheels, and copper products. The Company operates through three segments: Aluminium, Copper, and Others. Hindalco is owned by Aditya Birla Group, one of the largest holding companies in India.

The Company is active in the world copper industry through the Copper segment, which had FY 2014 revenues of \$3.0 billion. The segment operates a smelter complex in Dahej, India that manufactures copper cathodes and continuous cast copper rods. Copper cathodes from the smelter are available under the BIRLA COPPER and BIRLA COPPER II brand names and have a 99.99-percent purity. These cathodes are used to manufacture continuous copper rods for the wire, cable, and transformer industries; copper tubes for consumer durable goods; and alloys and sheets for other applications. The Dahej smelter

SAMPLE PROFILE

SAMPLE TABLE

STUDY COVERAGE

This Freedonia industry study, *World Copper*, presents historical data (2004, 2009 and 2014) plus forecasts (2019, 2024) for supply and demand, as well as demand by market, in 6 regions and 21 countries. The study also details key market environment factors, assesses the industry structure, analyzes company market share and profiles 32 competitors in the copper industry worldwide.

Related Studies

World Industrial Silica Sand

Global demand for industrial silica sand is forecast to advance 5.5 percent annually to 291 million metric tons in 2018, with a value of \$12.5 billion. The Asia/Pacific region will remain the largest market, while North America will grow the fastest. Glass will remain the leading outlet, while the hydraulic fracturing segment grows the fastest. This study analyzes the 223 million metric ton world silica sand industry, with forecasts for 2018 and 2023 by market, world region, and for 19 countries. The study also evaluates company market share and profiles industry participants.

#3237..... December 2014..... \$6200

World Salt

Global demand for salt is forecast to climb 1.5 percent annually to 325 million metric tons in 2018, valued at \$13.4 billion. The dominant Asia/Pacific region will be the fastest growing market. Trends in the production of chlor-alkali chemicals will continue to have the most significant effect on regional salt demand. This study analyzes the 302 million metric ton world salt industry, with forecasts for 2018 and 2023 by market, production method, world region, and for 22 countries. The study also evaluates company market share and profiles industry competitors.

#3199..... August 2014..... \$6200

World Graphite (Natural, Synthetic & Carbon Fiber)

World demand for natural and synthetic graphite (including carbon fiber) is forecast to expand 5.8 percent annually to 4.2 million metric tons in 2018, valued at \$30 billion. China will remain the largest and fastest growing market. Synthetic graphite will continue as the largest volume segment, while carbon fiber will grow the fastest. This study analyzes the 3.2 million metric ton world graphite industry, with forecasts for 2018 and 2023 by type, market, world region, and for 16 countries. The study also evaluates company market share and profiles industry players.

#3164..... August 2014..... \$6100

World Specialty Silicas

Global demand for specialty silicas will rise 5.0 percent per year through 2018 to 2.9 million metric tons, valued at \$6.9 billion. Rubber is the largest market and will also be the fastest growing. Precipitated silica will remain the dominant product type. The Asia/Pacific region will remain the largest and fastest growing market. This study analyzes the 2.3 million metric ton world specialty silica industry, with forecasts for 2018 and 2023 by product, market, world region, and for 16 countries. The study also evaluates company market share and profiles industry players.

#3178..... July 2014..... \$6300

World Kaolin

Global demand for kaolin will rise 3.3 percent yearly to 28.7 million metric tons in 2017, valued at \$4.4 billion. The Asia/Pacific region will remain the largest and fastest-growing geographic market. Paper and paperboard production will remain the largest market, while ceramics will be the most rapidly growing, driven mainly by ceramic proppants. This study analyzes the 24.4 million metric ton world kaolin industry, with forecasts for 2017 and 2022 by market, world region, and for 22 countries. The study also evaluates company market share and profiles industry players.

#3147..... April 2014..... \$6200

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States and other world markets. Industries analyzed by Freedonia include:

Automotive & Transport • Chemicals • Construction & Building Products • Consumer Goods • Energy & Petroleum • Industrial Components • Healthcare & Life Sciences • Machinery & Equipment • Metals, Minerals & Glass • Packaging • Plastics & Other Polymers • Security • Services • Textiles & Nonwovens • Water Treatment

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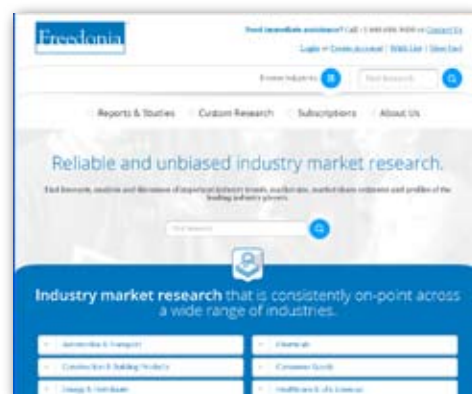
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