Copper: Preliminary Data for October 2015

The International Copper Study Group (ICSG) released preliminary data for October 2015 world copper supply and demand in its January 2016 Copper Bulletin. The Bulletin is available for sale upon request.

In developing its global market balance, the ICSG uses an apparent demand calculation for China—the leading global consumer of copper accounting for about 45% of world demand—that does not take into account changes in unreported stocks [State Reserve Bureau (SRB), producer, consumer and merchant/trader]. To facilitate global market analysis, however, an additional line item—Refined World Balance Adjusted for Chinese Bonded Stock Changes—is included below that adjusts the world refined copper balance based on an average estimate of changes in unreported inventories provided by three consultants with expertise in China’s copper market. The resulting adjustments to world refined copper balance are discussed separately in italics below.

According to preliminary ICSG data, the refined copper market for October 2015 (excluding the adjustment for changes in China’s bonded stocks) was roughly balanced with an apparent production surplus of only 2,000 metric tonnes (t). When making seasonal adjustments for world refined production and usage, October showed a small production deficit of 3,000 t. The refined copper balance for the first ten months of 2015, including revisions to data previously presented, indicates a production surplus of around 60,000 t (and a seasonally adjusted surplus of about 122,000 t). This compares with a production deficit of around 485,000 t (a seasonally adjusted deficit of about 426,000 t) for the same period of 2014.

In the first ten months of 2015, world apparent usage is estimated to have declined by around 1% (210,000 t) compared with that in the same period of 2014. Excluding China, world usage declined by around 3.5%. Although Chinese apparent demand increased by around 1.5%, usage declined by 4.5% and 7% in the EU and Japan, respectively, and by 46% in Russia (following the withdrawal of Russia’s cathode export tax in September 2014). On a regional basis, usage is estimated to have increased by around 1% in Africa, in Asia and in the Americas, respectively while declining by around 10% and 60% in Europe and Oceania, respectively.

World mine production is estimated to have increased by around 3.5% (520,000 t) in the first ten months of 2015 compared with production in the same period of 2014. Concentrate production increased by 4% while solvent extraction-electrowinning (SX-EW) increased by 1%. The increase in world mine production was mainly due to a recovery in production levels at operating mines in Indonesia (61% growth in Indonesian mine production as in 2014 output was constrained by a seven month ban on concentrates exports) and an 18% increase in Peruvian output (benefiting from higher production rates at operating mines and a ramp-up in production from mines that started in 2014/2015). Production increased by 0.7% in Chile while remaining essentially unchanged in the United States and China. On a regional basis, production rose by 4% in South America, 10% in Asia and 1.5% in Europe. However, production declined by 2% and 3.5% in Africa and Oceania, respectively and remained flat in North America. The average world mine capacity utilization rate for the first ten months of 2015 declined to around 84% from 85% in the same period of 2014.

World refined production is estimated to have increased by about 1.8% (330,000 t) in the first ten months of 2015 compared with refined production in the same period of 2014: primary production was up by 2% and secondary production (from scrap) remained essentially unchanged. The main contributor to growth in world refined production was China (up by 4%) followed by the DRC and India where production increased by 5%, respectively. Output in Chile and Japan (the second and third leading refined copper producers) declined by 2% and 3%, respectively, while in the United States (the fourth largest refined copper producer), production dropped by 2%. On a regional basis, refined output is estimated to have increased in Africa (5%) and Asia (4%) and decreased in the Americas (-1%) and in Oceania (-7%) while remaining essentially unchanged in Europe. The average world refinery capacity utilization rate for the first ten months of 2015 remained practically unchanged at around 83% as compared to the same period of 2014.

Based on the average of stock estimates provided by independent consultants, China’s bonded stocks declined by around 160,000 t in the first ten months of 2015 compared with year-end 2014 level. Stocks declined by 63,000 t in the same period of 2014. In the first ten months of 2015, the world refined copper balance adjusted for the change in Chinese bonded stocks indicates a production deficit of around 100,000 t compared with a deficit of around 550,000 t in the same period of 2014.

The average LME cash price for December was US$6,629.00 per tonne, down from the November average of US$4,808.24 per tonne. The 2015 high and low copper prices were US$6,448.00 (on 12th May) and US$4,515.50 per tonne (on 23rd November), respectively, and the year average was US$5,494.50 per tonne (20% below 2014 annual average). As of the end of December, copper stocks held at the major metal exchanges (LME, COMEX, SHFE) totalled 481,868 t, an increase of 175,431 t (57%) from stocks held at the end of December 2014. Compared with the December 2014 levels, stocks were up at the three exchanges.

Please visit the ICSG website www.icsg.org for further copper market related information.

(World Refined Copper Usage and Supply Trends table on next page)
### World Refined Copper Usage and Supply Trends, 2011-2015

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<td></td>
<td>Jan-Oct</td>
<td>Jul</td>
<td>Aug</td>
<td>Sep</td>
<td>Oct</td>
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<tr>
<td>World Mine Production</td>
<td>16,056</td>
<td>16,776</td>
<td>18,254</td>
<td>18,514</td>
<td>15,354</td>
<td>15,876</td>
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<td>World Mine Capacity</td>
<td>19,407</td>
<td>19,923</td>
<td>20,699</td>
<td>21,508</td>
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<td>18,781</td>
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<tr>
<td>Mine Capacity Utilization (%)</td>
<td>82.7</td>
<td>84.2</td>
<td>88.2</td>
<td>86.1</td>
<td>85.5</td>
<td>84.5</td>
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<td>Primary Refined Production</td>
<td>16,132</td>
<td>16,604</td>
<td>17,255</td>
<td>18,557</td>
<td>15,349</td>
<td>15,679</td>
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<td>Secondary Refined Production</td>
<td>3,468</td>
<td>3,596</td>
<td>3,803</td>
<td>3,916</td>
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<td>World Refined Production (Secondary+Primary)</td>
<td>19,599</td>
<td>20,201</td>
<td>21,059</td>
<td>22,472</td>
<td>18,577</td>
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<td>World Refined Usage 1/</td>
<td>19,704</td>
<td>20,461</td>
<td>21,387</td>
<td>22,884</td>
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<td>18,850</td>
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<td>World Refined Stocks End of Period</td>
<td>1,205</td>
<td>1,376</td>
<td>1,325</td>
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<td>Period Stock Change</td>
<td>7</td>
<td>171</td>
<td>-52</td>
<td>14</td>
<td>-82</td>
<td>158</td>
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<td>Refined Balance 2/</td>
<td>-105</td>
<td>-260</td>
<td>-328</td>
<td>-412</td>
<td>-485</td>
<td>60</td>
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<td>Seasonally Adjusted Refined Balance 3/</td>
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Due to the nature of statistical reporting, the published data should be considered as preliminary as some figures are currently based on estimates and could change.  
1/ Based on EU apparent usage.  
2/ Surplus/deficit is calculated using refined production minus refined usage.  
3/ Surplus/deficit is calculated using seasonally adjusted refined production minus seasonally adjusted refined usage.  
4/ For details of this adjustment see paragraph 2 of the press release.