Copper Slag

Presentation by
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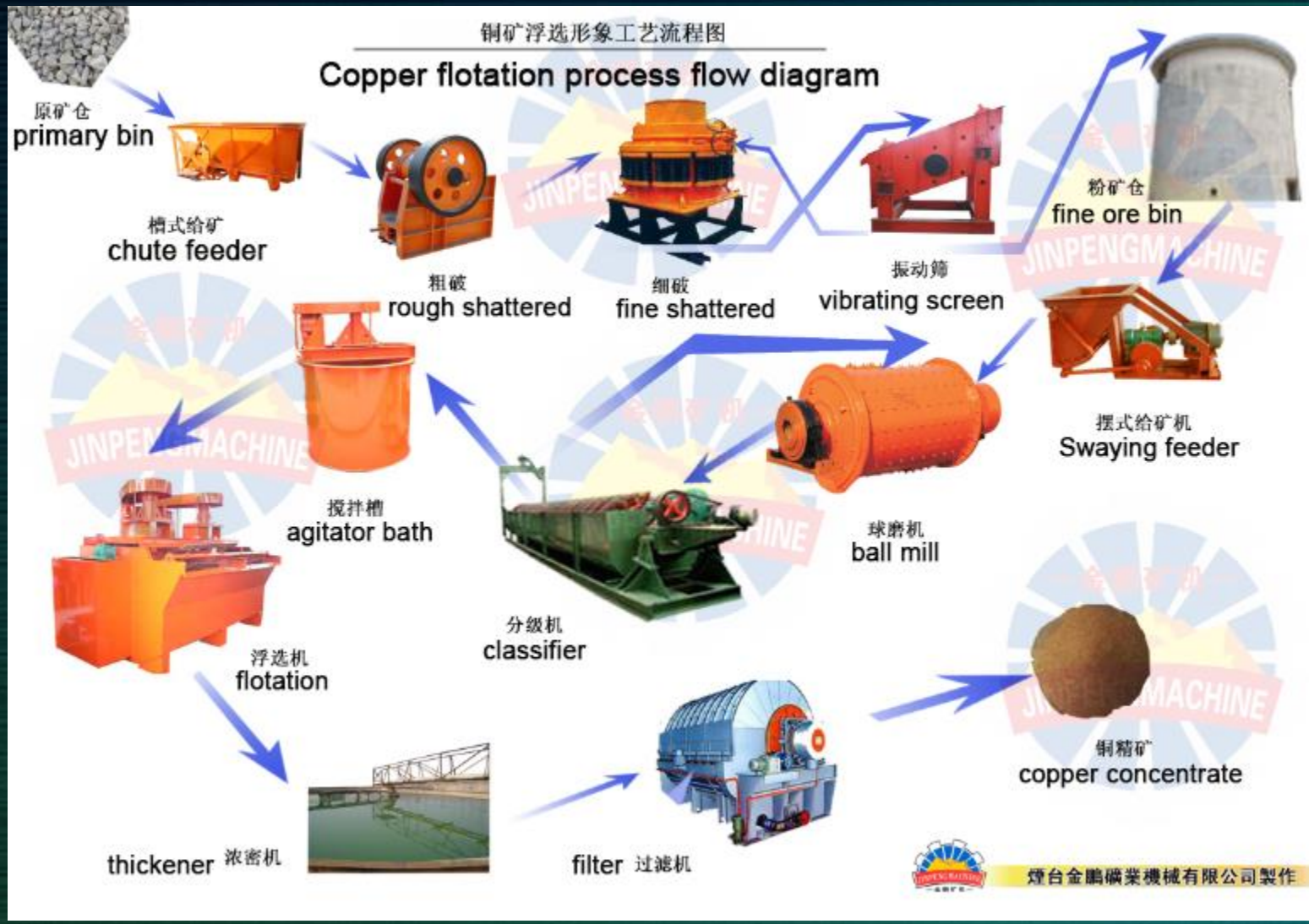

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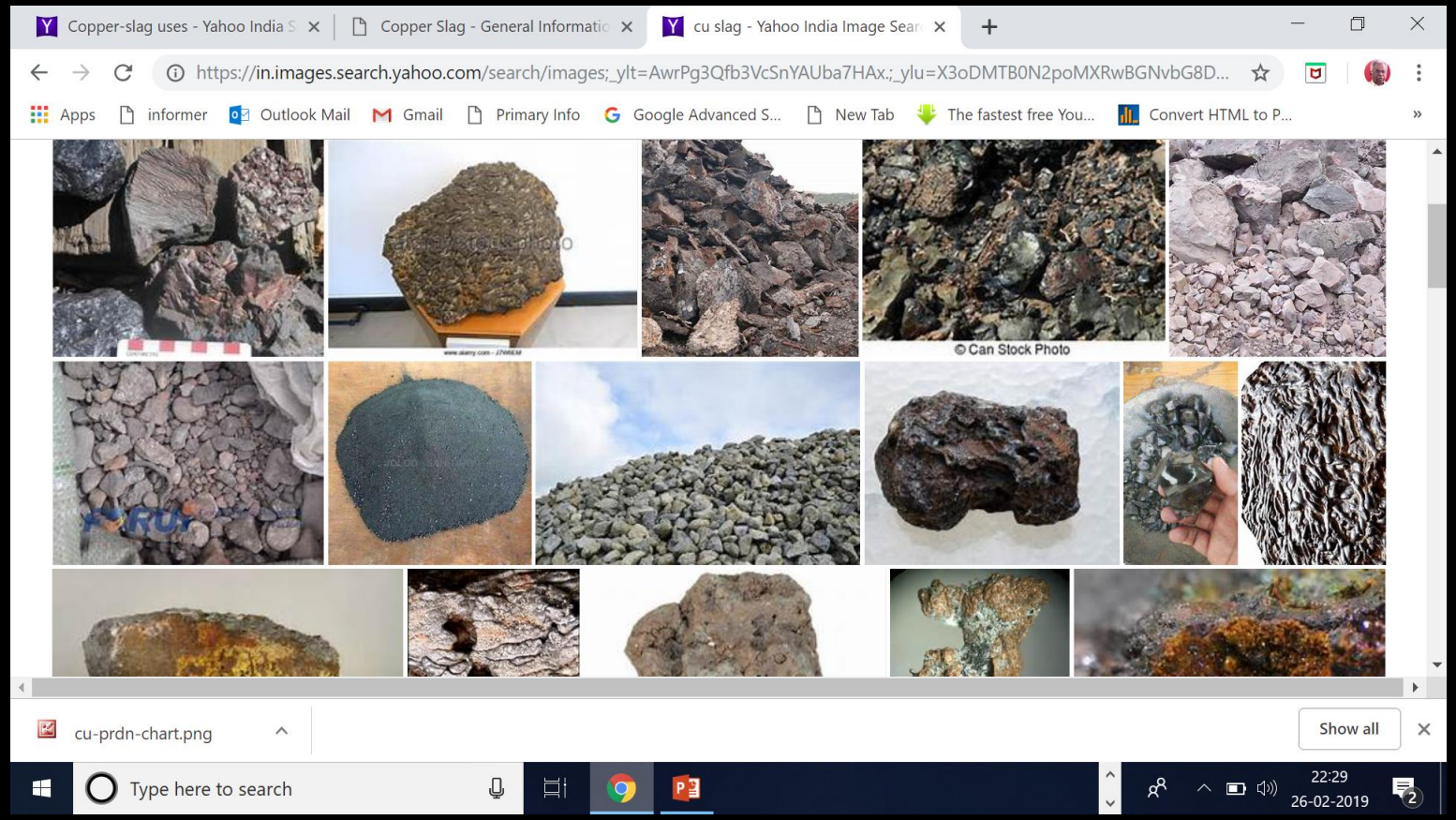
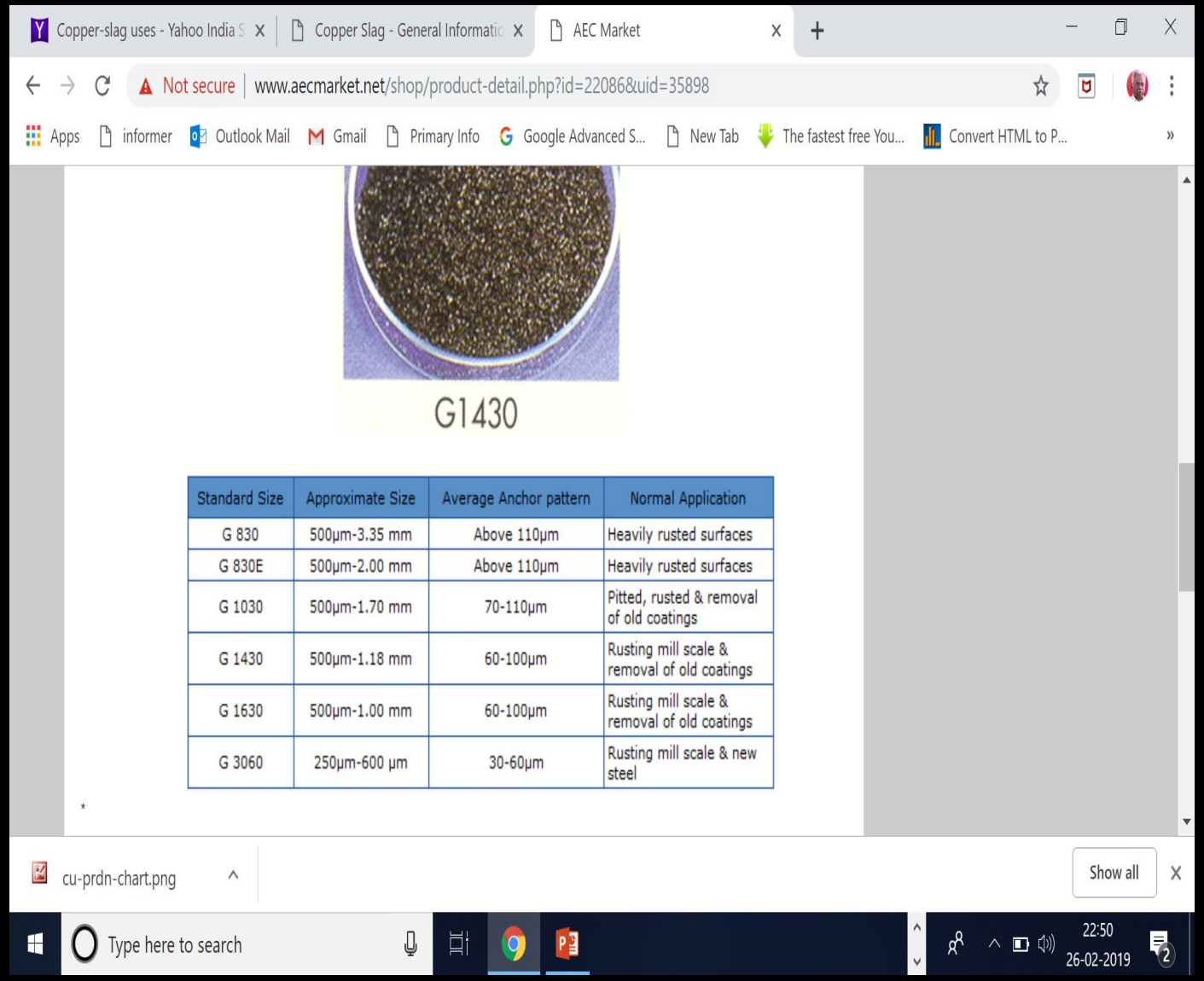
As refineries draw metal out of copper ore, they produce a large volume of non-metallic dust, soot, and rock. Collectively, these materials make up slag, which can be used for a surprising number of applications in the building and industrial fields.





Copper Slag : G1430

Product Information

Copper Production

The conversion of one kilogram (kg) of copper concentrate from its in-ground condition (ore) into economic service generates :

an average landscape footprint comprised of 210 kg of mine waste, 113 kg of mill tailings, **2 kg of slag**, and 2.3 kg of sulfur-bearing co-product.

The corresponding air releases per kg of copper include 0.5 kg of carbon dioxide and 0.2 kg of sulfur dioxide.

Applications

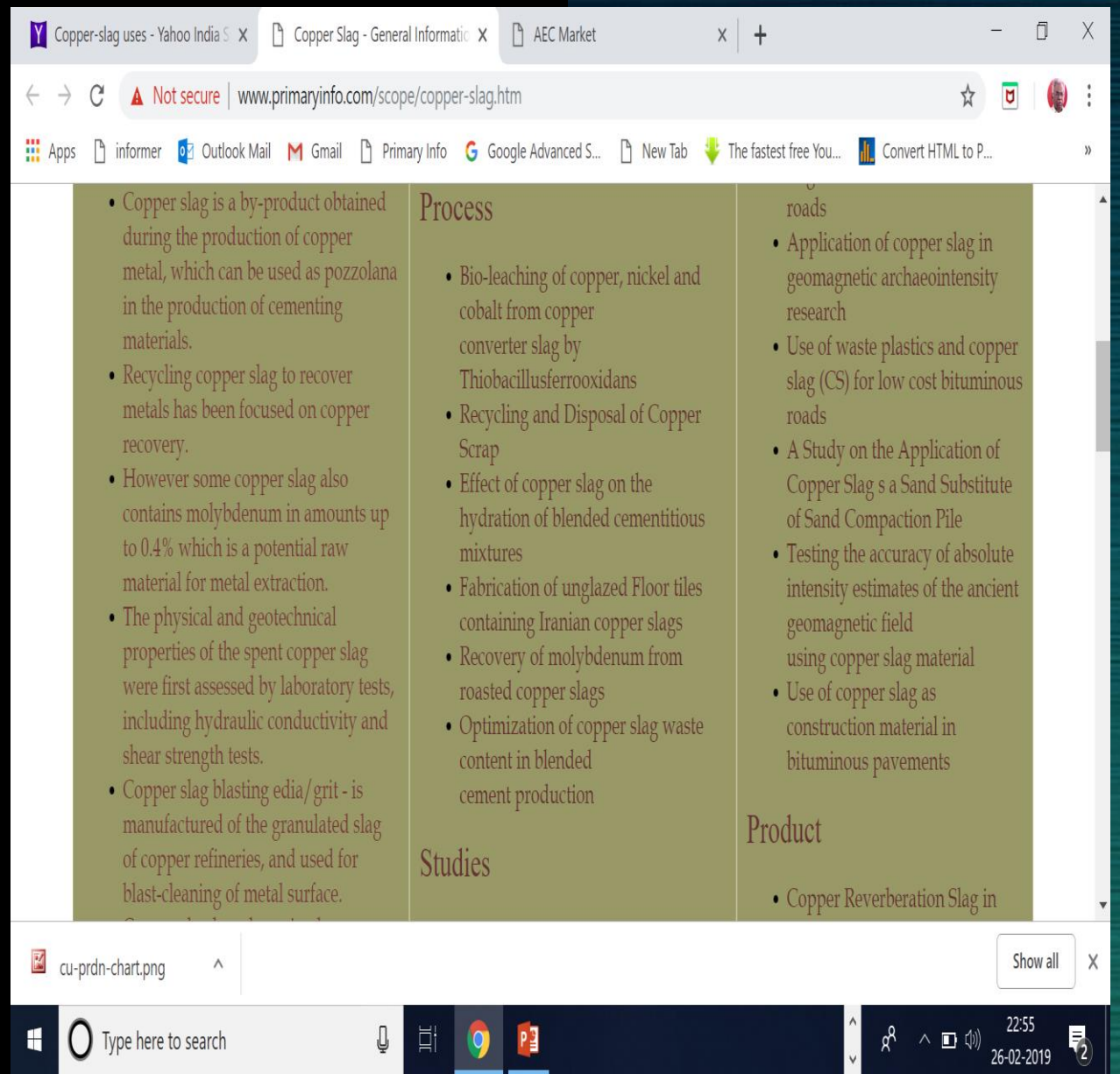
Copper slag is mainly used for surface blast-cleaning. Copper slag is just one of many different materials that may be used as abrasive grit.

Copper slag can be used in concrete production as a partial replacement for sand. Copper slag is used as a building material, formed into blocks

In Sweden, fumed and settled granulated copper slag from the Boliden copper smelter is used as road-construction material.

In India three copper producers Sterlite, Birla Copper and Hindustan Copper produce around 6-6.5 tonnes of slag at different sites.

Data Base on Copper Slag



Questions?

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