Current trends for the steel markets on industry restructuring

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Coal
Non Coking | Coking | Met Coke

Scrap & Metallics
Sponge Iron | Pig Iron | Melting Scrap | Rerolling Scrap | Mill Scale

Steel
Billet | Bloom | Ingot | Rebar | Structure | Wire Rod | HRC | HR Plate | HR Strip | (PQ) | Pipes | CRC | GP | PPG | Galvalume

Stainless Steel
Stainless Steel

Ferro Alloy
Manganese Ore | Chrome Ore | Silico Manganese | Ferro Manganese | Ferro Chrome | Ferro Silicon | Ferro Molybdenum | Ferro Vanadium

Non Ferrous
Aluminium | Copper | Zinc | Lead | Nickel | Tin

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✓ China’s steel capacity vs consumption: When will the matrix change?
✓ China’s construction steel demand seen weakening in 2023
✓ China’s steel exports likely to hit seven-year high in 2023
✓ Is China getting an edge over India in steel exports?
✓ What to expect from Indian steel industry by 2030?
✓ How are Indian mills placed with supply and demand?
China’s steel capacity vs consumption: When will the matrix change?

China's Sector-wise Steel Consumption

China's Steel Capacity vs Apparent Steel Consumption (2018-2022)

Source: SteelMint
✓ China’s real estate development investment seen dropping during Jan-Aug’23

✓ Auto production and sales were up, y-o-y up 7.4% and 8% respectively.
China’s construction steel demand seen weakening in 2023

**China’s Rebar Sales (2015-2023)**

Source: Mysteel, SteelMint
China’s crude steel output likely to drop by 17% by 2030
China steel exports likely to hit seven-year high in 2023
### China's Region-wise Steel Exports in Jan-Aug'23

<table>
<thead>
<tr>
<th>Region</th>
<th>Exports (mmt)</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southeast Asia</td>
<td>17.22</td>
<td>+23%</td>
</tr>
<tr>
<td>Middle East and Africa</td>
<td>16.90</td>
<td>+41%</td>
</tr>
<tr>
<td>East Asia (JKT)</td>
<td>8.37</td>
<td>+28%</td>
</tr>
<tr>
<td>Central and South America</td>
<td>6.74</td>
<td>+41%</td>
</tr>
<tr>
<td>South Asia</td>
<td>3.27</td>
<td>+33%</td>
</tr>
<tr>
<td>Europe</td>
<td>2.95</td>
<td>+1%</td>
</tr>
<tr>
<td>North America (USMCA)</td>
<td>1.96</td>
<td>+4%</td>
</tr>
<tr>
<td>CIS</td>
<td>1.46</td>
<td>+75%</td>
</tr>
<tr>
<td>Asia-Pacific</td>
<td>0.60</td>
<td>+1%</td>
</tr>
<tr>
<td><strong>Total Exports (in Jan-Aug'23)</strong></td>
<td><strong>59.47</strong></td>
<td><strong>+29%</strong></td>
</tr>
<tr>
<td><strong>Total Exports (in Jan-Aug'22)</strong></td>
<td><strong>46.05</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- USMCA: United States-Mexico-Canada Agreement.
- CIS: Commonwealth of Independent States.
- JKT: Japan, South Korea, Taiwan.

All above figures are rounded off. Quantity in million tonnes (mmt). % change in year-on-year (y-o-y). Source: China Customs, SteelMint.
Is China getting an edge over India in steel exports?

China vs India Monthly Steel Exports Comparison (Jan'21-Aug'23)
What to expect from Indian steel industry by 2030?

- Indian steel production will grow over 65% by 2030
- BF/BoF route share in steelmaking to increase
- Mills are eyeing to increase their scrap feed from 8% to 15% by 2030

### Global Crude Steel Production

<table>
<thead>
<tr>
<th>Country</th>
<th>2022</th>
<th>2030 [E]</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>1,018</td>
<td>850</td>
<td>↑17%</td>
</tr>
<tr>
<td>JKT</td>
<td>176</td>
<td>190</td>
<td>↑8%</td>
</tr>
<tr>
<td>European Union</td>
<td>136</td>
<td>170</td>
<td>↑25%</td>
</tr>
<tr>
<td>India</td>
<td>125</td>
<td>212</td>
<td>↑70%</td>
</tr>
<tr>
<td>Americas</td>
<td>170</td>
<td>195</td>
<td>↑15%</td>
</tr>
<tr>
<td>CIS</td>
<td>83</td>
<td>100</td>
<td>↑20%</td>
</tr>
<tr>
<td>MENA</td>
<td>102</td>
<td>130</td>
<td>↑27%</td>
</tr>
<tr>
<td>SEA/SW</td>
<td>63</td>
<td>95</td>
<td>↑51%</td>
</tr>
<tr>
<td>Others</td>
<td>11</td>
<td>13</td>
<td>↑19%</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>1,885</strong></td>
<td><strong>1,955</strong></td>
<td><strong>4%</strong></td>
</tr>
</tbody>
</table>

JKT: Japan, South Korea, Taiwan | Americas: North and South America | CIS: Commonwealth of Independent States
MENA: Middle East and North Africa | SEA: South East Asia | SW: South West
Quantity in million tonnes (mmt) | E: Estimated Figure | Source: WSA, SteelMint
How are Indian mills placed with supply and demand?

India: Crude Steel Production Route Wise - FY'30

India's Steel Making Metallic Mix

<table>
<thead>
<tr>
<th>Year</th>
<th>Hot Metal</th>
<th>DRI</th>
<th>Scrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY23</td>
<td>26</td>
<td>44</td>
<td>81</td>
</tr>
<tr>
<td>FY25 [E]</td>
<td>29</td>
<td>48</td>
<td>94</td>
</tr>
<tr>
<td>FY30 [E]</td>
<td>45</td>
<td>65</td>
<td>140</td>
</tr>
</tbody>
</table>

CAGR (FY23-FY30)

Quantity in million tonnes (mnt) | E: Estimated Figure | Source: SteelMint

Source: SteelMint
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