

SEAISI Mega Event and Expo

12th Malaysia Plan Shaping of the Steel Industry

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Outline





The 12th Malaysia Plan (12MP) (2021-2025)

The start of a new phase in Malaysia's journey of development towards a high income nation by 2030



12MP (2021-2025) – Accelerating towards a high-income nation by 2030



THREE (3) Themes of the 12MP:

- **RESETTING** the economy
- 2 Strengthening SECURITY, WELLBEING and INCLUSIVITY
- **3** Advancing **SUSTAINABILITY**
- **FOUR (4)** Catalytic Policy Enablers:
 - Developing FUTURE TALENT
 - Accelerating **TECHNOLOGY ADOPTION** and **INNOVATION**
 - Enhancing **CONNECTIVITY** and **TRANSPORT INFRASTRUCTURE**
 - Strengthening PUBLIC SERVICES
- 14 Game Changers represent bold and innovative actions to SHIFT MINDSETS and CHANGE THE APPROACH TO NATIONAL DEVELOPMENT

12MP's macro targets: Past and the next 5 years (2021-2025F)





12MP: Selected macroeconomic targets



Socio-Economic Research Centre

GDP by type of expenditure: 12MP vs. 11MP



Nominal investment



Source: DOSM; EPU



GDP by major economic sector: 12MP vs. 11MP





Source: DOSM; EPU



Shaping the Iron & Steel Industry

Drivers and Prospects



An overview of Malaysia's iron and steel industry

- The iron and steel industry is a vital component in Malaysia's economic and industrial development, especially in the manufacturing and construction sectors.
- In 2021, the industry contributed to 0.6% of GDP*; 1.7% of manufacturing output; 2.3% of total exports; and 0.4% of total employment (54,326 persons).

* Basic metals over overall GDP, which includes iron and steel products and other non ferrous metals









Note: Apparent Steel Consumption (ASC) = Hot rolled production + Finished imports – Finished exports Real Steel Consumption (RSC) = Final use of steel products, adjusted for the stock cycle

Shift in consumption of steel product mix

• Flat products have exceeded long products in 2021.



Source: MISIF; The Malaysian Industry-Government Group for High Technology s (MIGHT) calculation



* Incl. Rails & accessories, steel sheet piles; and tyre & wheels ** Incl. Color Coated; Tinplates; etc. with adjustments Figure in parenthesis indicates share of total ASC

Low capacity utilisation levels across all steel product segments in 2021

Malaysia is the world's 25th largest exporter & 23rd largest importer of iron & steel

- In 2021, Malaysia exported RM37.6 billion of iron and steel products (HS Code 72 & 73), making it the 25th largest exporter in the world.
- Main export destinations are China (34.8%), Singapore (9.5%), Thailand (7.6%), United States (7.4%), Indonesia (5.6%) and South Korea (5.0%).
- In 2021, Malaysia imported RM43.0 billion of iron and steel products (HS Code 72 & 73), making it the 23rd largest importer in the world.
- Main sources of imports are China (26.6%), Japan (15.0%), South Korea (8.6%), Indonesia (8.4%), Taiwan (8.3%), Vietnam (6.9%) and United States (6.5%).

Source: DOSM; UN Comtrade

Investment in basic metal products

- Approved manufacturing investment in basic metal industry recorded **an average of RM7.7 billion per year in 2011-2021**. It is the second largest approved investment in manufacturing sector in 2021.
- The investment projects are dominated by foreign investments, specifically from China. Domestic investments only accounted for merely RM264.7 million, equivalent to 1.4% of overall RM19.4 billion in 2021 (2.3% in 2020).
- In the first six months of 2022, approved investment for the entire basic metal products was sluggish at RM105.9 million.

Source: MIDA

Price trend of the iron and steel industry

Unit price index for building and structural works Jul 2017=100

Average unit prices for steel bars for civil engineering $\mathsf{RM}\xspace$ per $\mathsf{MT}\xspace$

Note: Price index / level is calculated via simple average of available regional data Source: DOSM

Source: CIDB

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Average price (RM)	2019	2020	2021	2022	CAGR (2020-2021)
Mild Steel Round Bars (12mm)	2,843	2,745	3,179	3,901	5.8%
High Tensile Deformed Bars (12mm)	2,807	2,676	3,129	3,885	5.6%
Steel & Metal Sections (per MT)	3,416	3,008	5,128	5,761	22.5%
Steel Reinforcement (per m2)	4,257	4,247	5,813	6,296	16.9%

Iron and steel related building material price

Malaysian iron and steel industry: National ambitions

Ensuring Industry Sustainability

Enhancing SEA Competitiveness

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Growing Global Steel Player

Targets	By 2025	Ву 2030	
Apparent Steel Consumption (ASC)	12.05 million MT	14.65 million MT	
ASC per Capita	334kg	385kg	
Production	11.05 million MT	18.31 million MT	
Average Capacity Utilisation	65%-75%	65%-75%	
Production as a % of ASC	92%	125%	
% Flat vs. Long Production (hot rolled only)	35% vs. 65%	65% vs. 35%	
Imports	5.37 million MT	3.67 million MT	
Imports as a % of ASC	45%	25%	
Exports	4.37 million MT	7.33 million MT	
Exports as a % of ASC	36%	50%	
% TISP Exports to ASEAN Countries	40%	55%	
Market Penetration	+Automotive +E&E +Oil and Gas	+Medical Equipment +Engineering +Heavy Machinery	
IBS Adoption Government Projects Private Projects	80%-85% 80%-85%	85%-90% 85%-90%	
Economic Contribution Value Added Employment (Number of Workers) Productivity (Value Added per Worker)	RM21.43 billion 181,160 RM118,321	RM26.68 billion 189,226 RM141,013	

TISP=Total iron and steel products

Source: MISIF (White Paper by Iron & Steel industry: The Roadmap Back to Regional Competitiveness 2021 – 2030)

Drivers of the iron and steel industry in Malaysia

Recovery on track

Real steel consumption (RSC) is projected to grow by 11.6% to 7.7 million MT in 2022; and increase further by 9.1% to 8.4 million MT in 2023.

This is still below prepandemic level at an average of 9.5 million MT in 2017-2019.

Improvement in household incomes

Higher demand for manufacturing (especially automotive segment – 7.8% of steel consuming) and durable goods. Government-backed infrastructure spending

Large amount of development projects/expenditure in the pipeline in construction sector (63.2% of steel consuming), covering infrastructure building across transport sector, energy and public utilities, health and housing sectors, etc.

 Allocated development expenditure under 12MP: RM400 billion (remaining est. RM260 billion for 2023-2025) Reducing import dependency and strengthening export capabilities

Increasing capacity and investment in the past few years would further reduce import dependency, while export capabilities is further supported by the catalytical multilateral free trade agreements, i.e. RCEP and CPTPP

Challenges faced by the iron and steel industry

Mega trends shaping the future of global iron and steel industry

* Accenture Strategy's presentation to OECD – Baseline forecast made in 2017

Challenges and issues faced by the iron and steel industry in Malaysia

Challenges and issues faced by the iron and steel industry in Malaysia

THANK YOU

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