



KTMB and Malaysia Railway Development Overview

Malaysia Railway Development Progress Overview



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Malaysia Train Map - national railways and urban rail transit systems

X Airports Ko Ports ECRL corridor - Expressway --- Line Upgrade underway ---- Double tracking planned ++ KTM single Track Rail/ KTM Electrified double Track Rail Tourism Knowledge Park Agriculture 😥 Kertih Polymer Part Kemaman heavy Ind. Park Palm Oil Industrial Park Malaysia-China Kuantan Industrial Park Automotive Regional Distribution Centre C ECER ICT centre Industrial base Petroleum hub ECER SEZ





National Railway Operator **1,655** km Total rail length

MZ East Coast Rail Link (under development) 665 km Total rail length

Malaysia Train Map - national railways and urban rail transit systems

Prasarana
LRT networks & KL Monorail
151 km
MRT networks
107.7 km
RTS Link (under development)
4 km
Total rail length



KLIA Ekspress and KLIA Transit **57** km Total rail length



Electrified Double Track Gemas – Johor Bahru (192 km)



Upgrading of Klang Valley Double Track Phase 1 (42km)

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SINGAPORE

Upgrading of Klang Valley Double Track Phase 2 (110km)

- Upgrade track, signaling & electrification systems with higher capacity to enable higher railcar traffic from Salak Selatan – Seremban & Port Klang Junction – Port Klang up to 7.5 minutes service frequency
- Operating speed of 120 km/h
- Expected completion by 2029





MRT1 Kajang Line (46 km) – first line implemented of the Klang Valley MRT Project



- Fully commenced **17 July 2017.**
- 46 km alignment along perimeter of Kuala Lumpur city, 44.2 elevated and 13.5 underground tracks
- 29 stations; 22 elevated and 7 underground, with 12 park and ride station facilities.
- 58 electric trains with capacity of 1,200 passengers per train
- Journey time 88 minutes throughout the line
- 192,410 average daily ridership



- Fully commenced 16 March 2023.
- 57.7km alignment along perimeter of Kuala Lumpur city, 44.2 elevated and 13.5 underground tracks
- 36 stations; 27 elevated and 9 underground, with 17 park and ride station facilities.
- electric trains with capacity **4**9 1,200 Of passengers per train
- Journey time 84 minutes throughout the line
- 72,798 average daily ridership

MRT3 Circle Line (50.8 km) – final piece to complete Kuala Lumpur's urban rail network



- 50.8km alignment along perimeter of Kuala Lumpur city, 40.1 elevated and 10.7 underground
- 31 stations; 24 elevated and 7 underground
- **Connectivity** with existing MRT, LRT, KTM, and Monorail lines through 10 interchange stations.
- GOM reviewed cost of MRT3 in mid 2023 and to award construction contracts in later 2023.
- Expected to fully commenced in 2030.

East Coast Rail Link (665 km) – The new railway that will connect the Straits of Malacca to the east coast of Peninsular Malaysia



- **42%** progress rate as of April 2023
- 665km length of alignment; main line length 592km, spurline length 48km, Northport & Westports 25km
- 10 passenger stations & 10 passenger + freight stations
- Operating speed of 160 km/h for passenger train and 80 km/h for freight train
- ECRL connectivity with KTM ETS/Intercity, KTM Komuter and LRT
- Connectivity to Westports and Northport via Jalan Kastam (Port Klang)
- 4 interchange via Temerloh, ITT Gombak, Serendah Baru and Jalan Kastam
- Expected date of operation by 2027

RAPID Transit System Link (RTS Link) (4 km)



- As of April 30, 36% overall progress of the railway infrastructure (on the Malaysia side).
- Approximately 4km length; 2.7 km in Malaysia and 1.3 in Singapore.
- **Two stations**, one in Bukit Chagar, Johor Bahru, Malaysia and one in Woodlands, Singapore.
- 4 car per train set with operating speed of 80 km/h.
- Journey time 6 minutes between stations with 3.6 minutes frequency during peak hour.
- The link will have a capacity of 10,000 passengers per hour, per direction and an expected ridership of about 40,000 passengers per day upon opening
- Projected to be completed by Dec 2026.

10 Light Rail Transit Line 3 (LRT3) – aims to connect the Western Corridor of Klang Valley, from Bandar Utama to Johan Setia, by the year 2024



83% overall linewide progress.

- 37 km total length, serving more than 2 million population in western corridor of Klang Valley.
- 25 stations with 5 provisional stations
- 80 km/h operational speed with capacity of 18,630 passengers per hour per direction
- 6 minutes frequency during peak hours.
- Connectivity with existing MRT and LRT interchange stations.
- Expected operations by March 2025.

Kuala Lumpur–Singapore High-Speed Rail (350 km)



- JB-Singapore causeway was the world's busiest land border, recording almost half million passengers daily.
- Travel speed of 320 km/h over 350 km with travel time of 90 minutes.
- Seven stations in Malaysia and one in Singapore.
- Bilateral agreement signed in 2016 for development between two countries, however project was cancelled by Malaysia in Jan 2021.
- To further assist the GOM in making informed decisions on the KL-SG HSR project, MyHSR Corp is embarked on a full-fledged Request for Information (RFI) exercise to enable the private sector to officially submit concept proposals to develop and operate the KL-SG HSR via a publicprivate partnership model.
- MyHSR conducted industry briefing on 27 Jul 2023 at MOF Malaysia for industry players and 50 RFI documents ordered by industry players as of first week of Aug 2023.

THANK YOU