

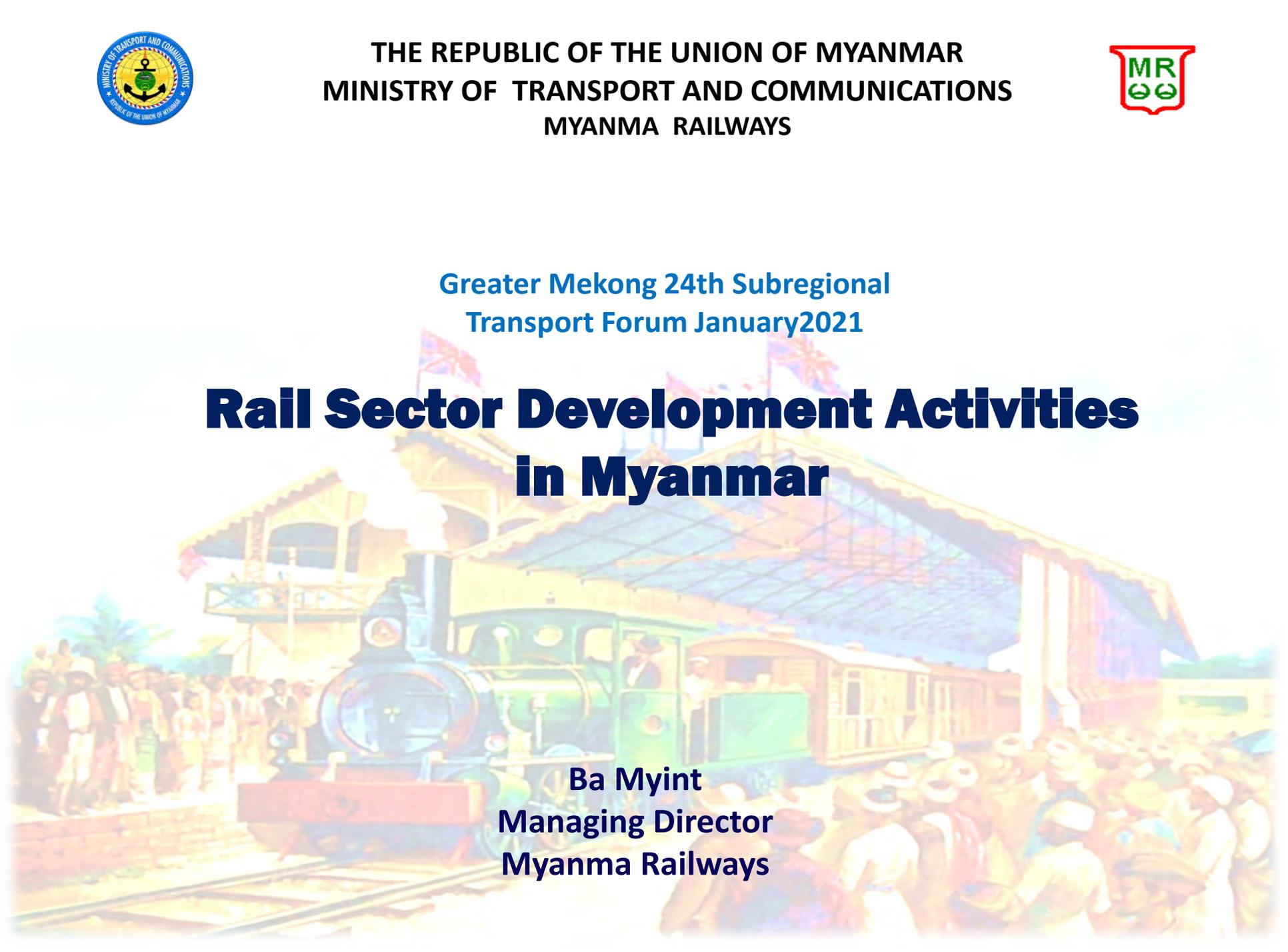


THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF TRANSPORT AND COMMUNICATIONS
MYANMA RAILWAYS



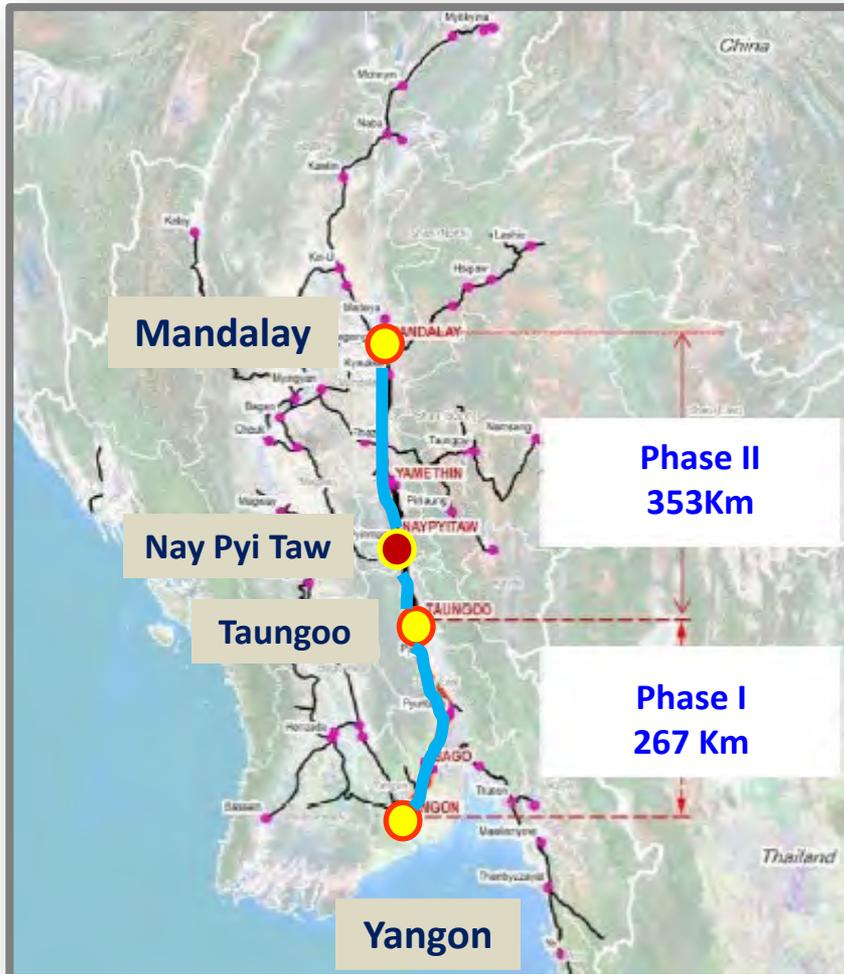
Greater Mekong 24th Subregional
Transport Forum January 2021

Rail Sector Development Activities in Myanmar



Ba Myint
Managing Director
Myanma Railways

Yangon-Mandalay Railway Line Improvement Project



Scope of Works

- Civil & Track Works, Bridge work, Installation of new signaling system, Procurement of Modernized DEMU, Establishment of Workshop and depot, etc.

Phase 1 (Yangon - Taungoo)

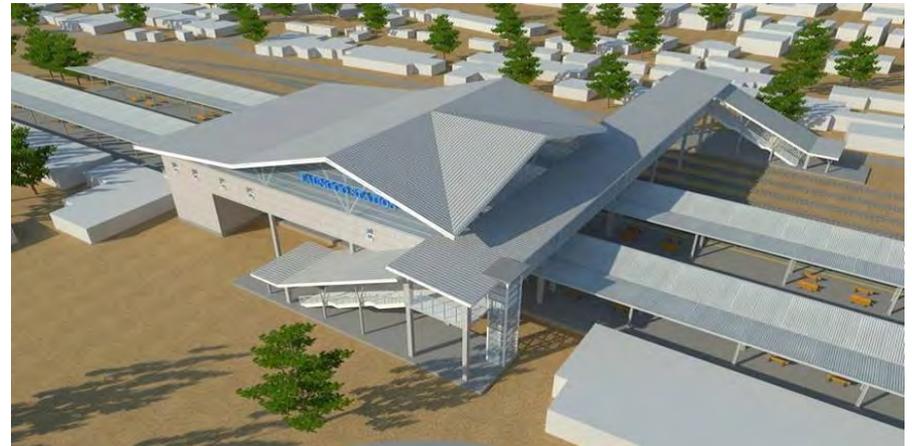
- Conducted for F/S on Sep,2014 and Detail Design Studied completed on June,2016
- Estimated Cost JPY (91.179) Billion (As DD Report)
- Signed Consultancy Services Agreement on Dec, 2016
- Invited the Contractors by dividing 8 Packages on March, 2017
- Construction Period – 2018 to 2024 (6 Years)

Phase II (Taungoo- Mandalay)

- Conducted for F/S on Oct,2017 and Detail DD Study started on April, 2018 and expected to complete Sep,2019
- Estimated Cost JPY (191.069) Billion (As DD Report)
- Signed Consultancy Services Agreement on
- Planned to invite the 10 Nos. of Contract Packages
- Construction Period - 2019 to 2025 (6 Years)

Yangon-Mandalay Railway Line Improvement Project

Planned Designs for New Station Buildings



Yangon-Mandalay Railway Line Improvement Project

Planned Designs for Road and Rail Level Crossings



Yangon-Mandalay Railway Line Improvement Project

Perspective view of Ballast Collection Situation



Yangon-Mandalay Railway Line Improvement Project

Production Situation for Concrete sleepers



Yangon-Mandalay Railway Line Improvement Project

Imported 50N Rails of Japan



Yangon-Mandalay Railway Line Improvement Project

Track and Bridge Construction Site View



Yangon-Mandalay Railway Line Improvement Project



Planned Design for DEMU

Planned Design for
Rolling Stock Depot & Workshop



Source: JICA Study Team

Yangon-Mandalay Railway Line Improvement Project

Power Supply Works under construction



Yangon-Mandalay Railway Line Improvement Project

20 Tons Axle Load Track Works under construction



Rail Trolleys for Long Rails (200 meter)

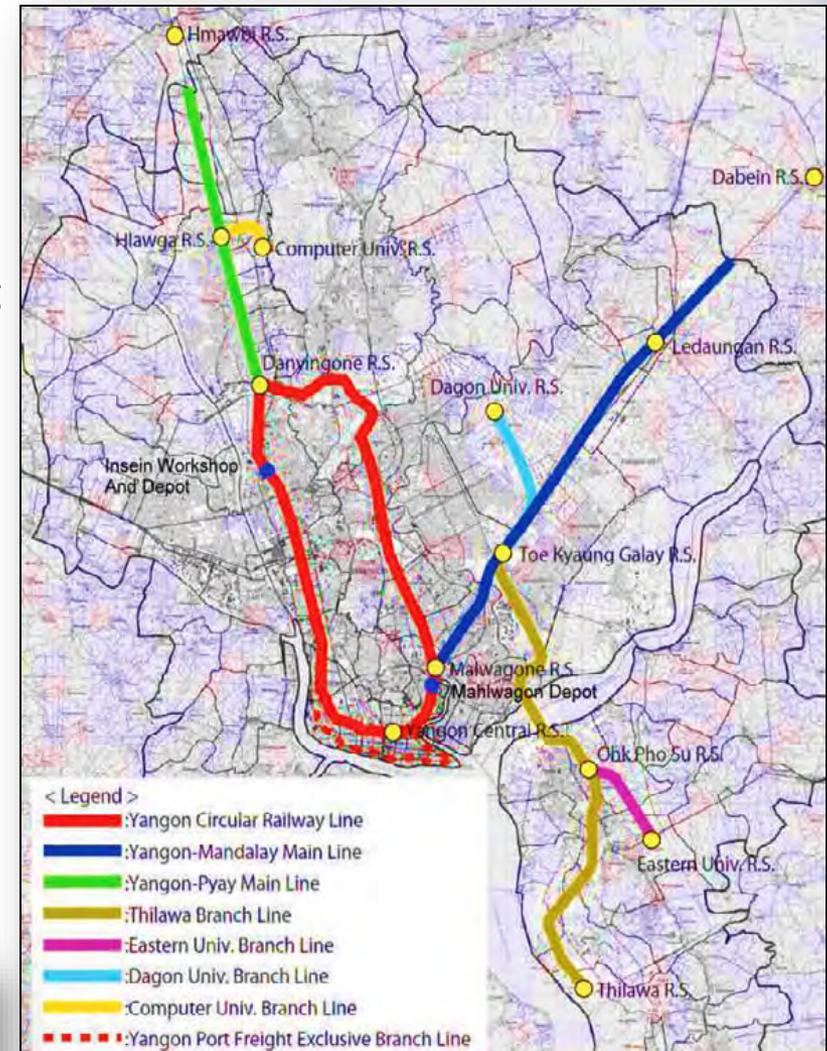


Diesel Electric Multiple Unit (DEMU)



Yangon Circular Railway Line Upgrading Project

- **The project Financing consists of two parts:**
 - Japanese ODA Loan (US\$ 207.8 million)
 - The other is cover by National Budget (US\$ 43.38 million)
- **Scope of Works;** Civil & Track Works, Signaling Works, Procurement of Modernized DEMU.
- **Project Period** 2017 to 2022 (6 Years)
- **Activities to Implement**
 - Completed Basic Design on Feb,2017
 - Under construction for Civil Works by Local Contractors
 - 2 nos. of Tender packages for Signaling Works and Procurement of Modernized DEMU are being invited.
- After completion of project, travel time of passenger trains will reduce from 2 hours and 50 minutes to 1 hour and 50 minutes















KMD Station Yard – Between No-2 and 3 Line

- Site Clearing and Preparation had to be conducted again by the Contractor for the convenient working condition of MTT between KMD-No-2 & 3 Line



Final Condition at KMD Station Yard after site clearing and rectification with MTT

- Between No-1&2 Line



- Between No-2&3 Line



- Between No-3,4 & 5 Line



**Final Condition at KMD Station Yard after site clearing and rectification with
MTT**

KMD No-1 Line



KMD No-1 Line



**Final Condition at KMD Station Yard after site clearing and rectification with
MTT**

KMD No-2 Line



KMD No-2 Line



Final Condition at KMD Station Yard after site clearing and rectification with MTT

- **KMD Yard-Between No-3 and 4 Line**



Note : Pre Final inspection for track profile are completed and Final manual rectification to close out the Track Geometry (Level and Alignment) are in progress.

Final Condition at KMD Station Yard after site clearing and rectification with MTT



Note : Pre Final inspection for track profile are completed and Final manual rectification to close out the Track Geometry (Level and Alignment) are in progress.

Cutting Tree Branches and Weeding Along The Track (Inner and Outer)-Between Hantharwady Station and Nar Nat Taw ROB

During Cutting Tree Branches and Weeding



During Cutting Tree Branches and Weeding



Cutting Tree Branches and Weeding Along The Track (Inner and Outer)-Between Hantharwady Station and Nar Nat Taw ROB

After Cutting Tree Branches and Weeding



After Cutting Tree Branches and Weeding



Completed Drainage Improvement work



Lagging Wall Panel Installation work in progress



Lagging Wall Panel Installation work in progress



Lagging wall Panel installation was 100% completed.

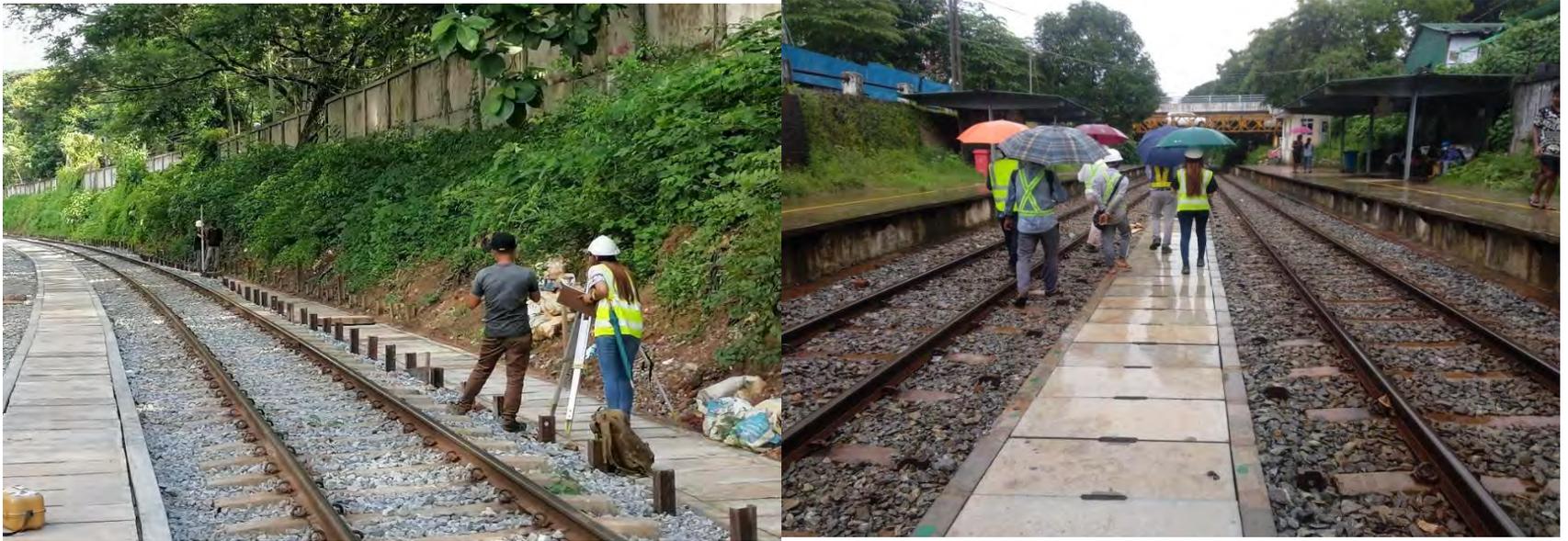
Only additional lagging wall installation work are remaining.

Target to complete – **21st -Feb -21**

Completed Box Culvert Construction



Pre Final Inspection for completed sections



Signal House -KMD



Signal House –Danyin Gone



Gate Hut Construction Work (L-01,03,04,05,06,07,08,09,10)



Tool Box Meeting at Site



PERSPECTIVES

HAN THAR WADDY STATION UPGRADING



PERSPECTIVES

GYO GONE STATION UPGRADING



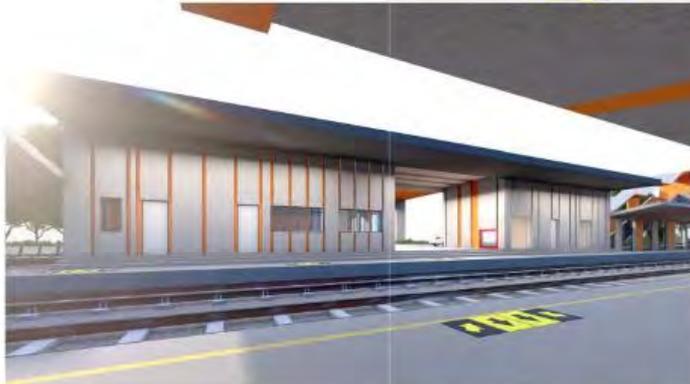
PERSPECTIVES

GYO GONE STATION UPGRADING



PERSPECTIVES

GYO GONE STATION UPGRADING

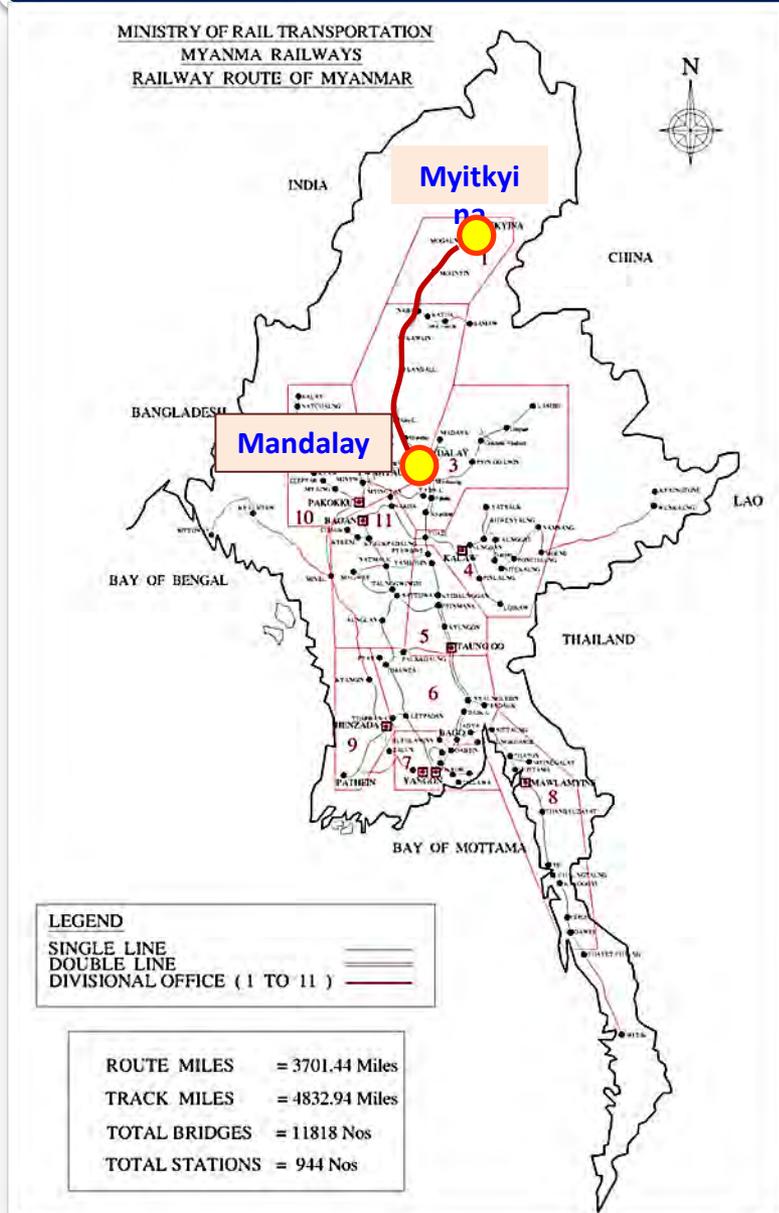


PERSPECTIVES

PARAMI STATION UPGRADING



Mandalay -Myitkyina Railway Line Rehabilitation Project



Status of the Project

- 547.4 Km Long, Single lane, Meter gauge Track
- High gradients and Curves on some portion,

Divided into 3 priority sections

- Mandalay - KawLin, Section - I (3rd Priority)
- KawLin - Moenyin, Section - II (1st priority)
- Moenyin - Myitkyina, Section - III (2nd priority)

Activities to upgrade

- First priority portion of section II (about 42 Km) by Korea EDCF Loan USD 125 Million.
- F/S has been done by Technical Assistance of Korean EXIM Bank.
- Under Loan Negotiation process to implement the project



Yangon-Pyay Railway Improvement Project

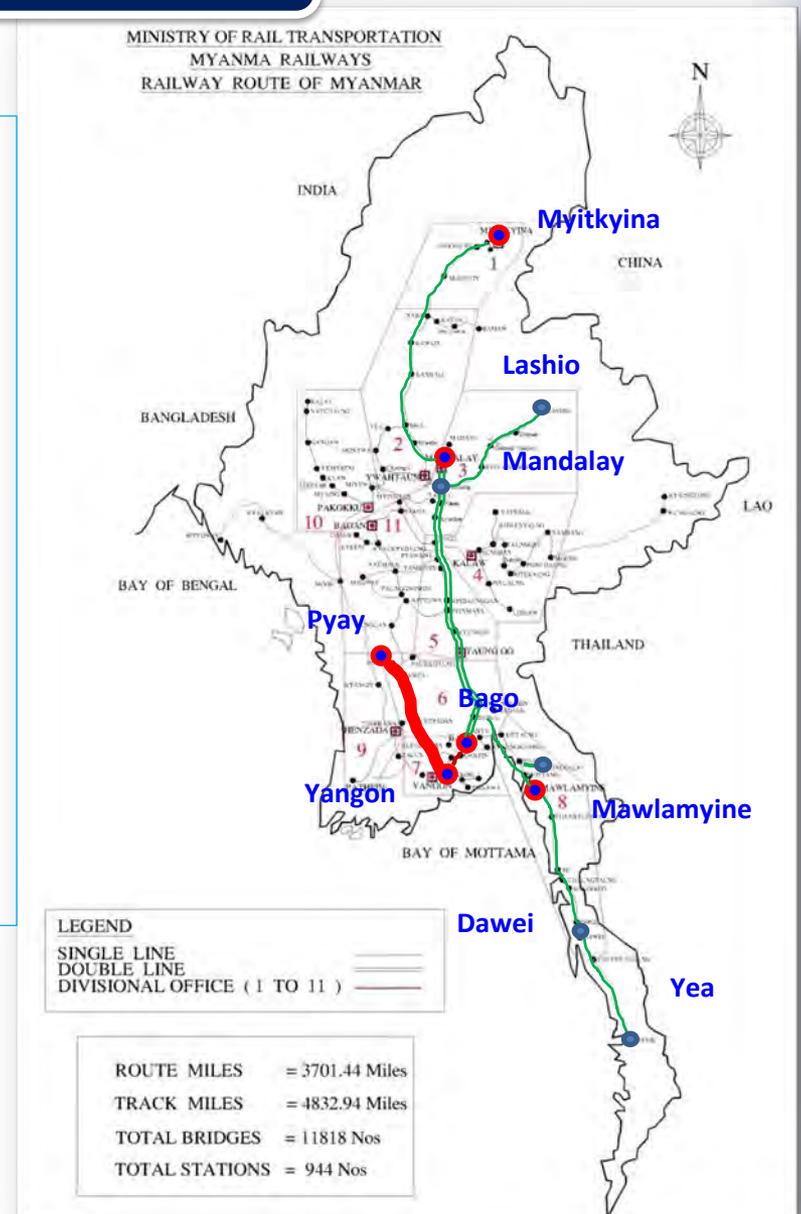
- It was first introduced rail line in Myanmar since 1877.
- Yangon(Danyinkone)-Pyay -148.25 Route Mile
- Track Mile -162.25 Mile

Scope of Works

- Installation of new track and signaling system
- Railway bridge construction and rehabilitation
- Station improvement works
- New foot over bridge (FOB) installation

Activities to Improvement

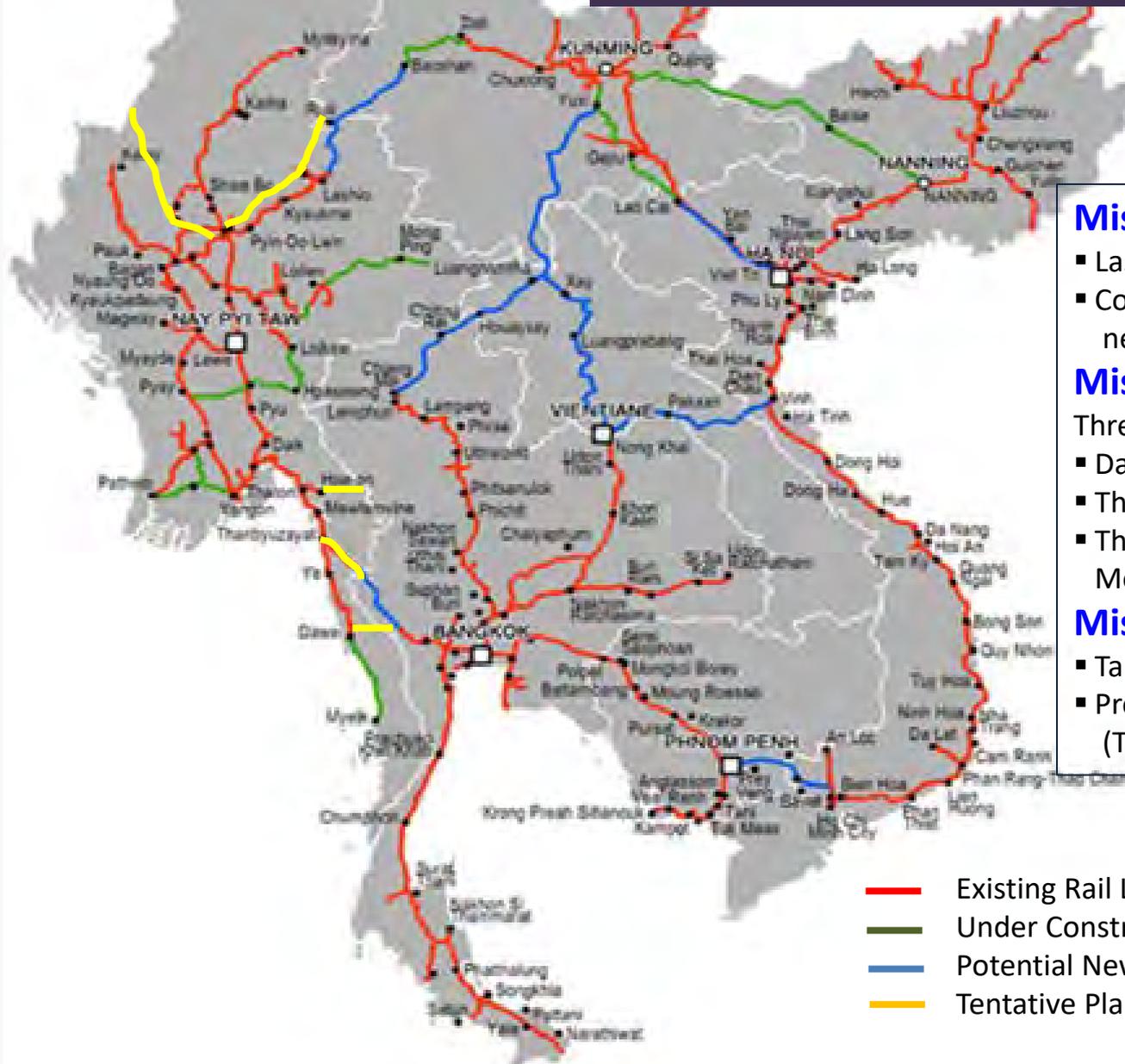
- Project Cost is approximately –Approx; \$ 200 Mil.
- Surveyed at June,2017
- Singed MoD for Project Preparation in Dec,2018.
- Conducting the F/S by ADB's Technical Assistance
- Under Loan Negotiation Process with ADB



A world map with a light blue grid. The continents are colored in different shades: North America is dark red, South America is red, Africa is orange, Europe is green, Asia is light green, and Australia is purple. The text is overlaid on the map.

Planning for International Railway Connectivity in Myanmar

Railway Links of International Importance in Myanmar



Missing link with China

- Lashio –Muse
- Conducting F/S for Muse-Mandalay new railway line project.

Missing link with Thailand

Three Potential Links;

- Dawai – Kanchanaburi
- Thanbyuzayat-Three Pagoda Pass
- Thathon- Phaen- Myawaddi- Mesaut

Missing link with India

- Tamu (border with India) - Kalay ,
- Proposed to conduct F/S (Tamu - Mandalay) New alignment

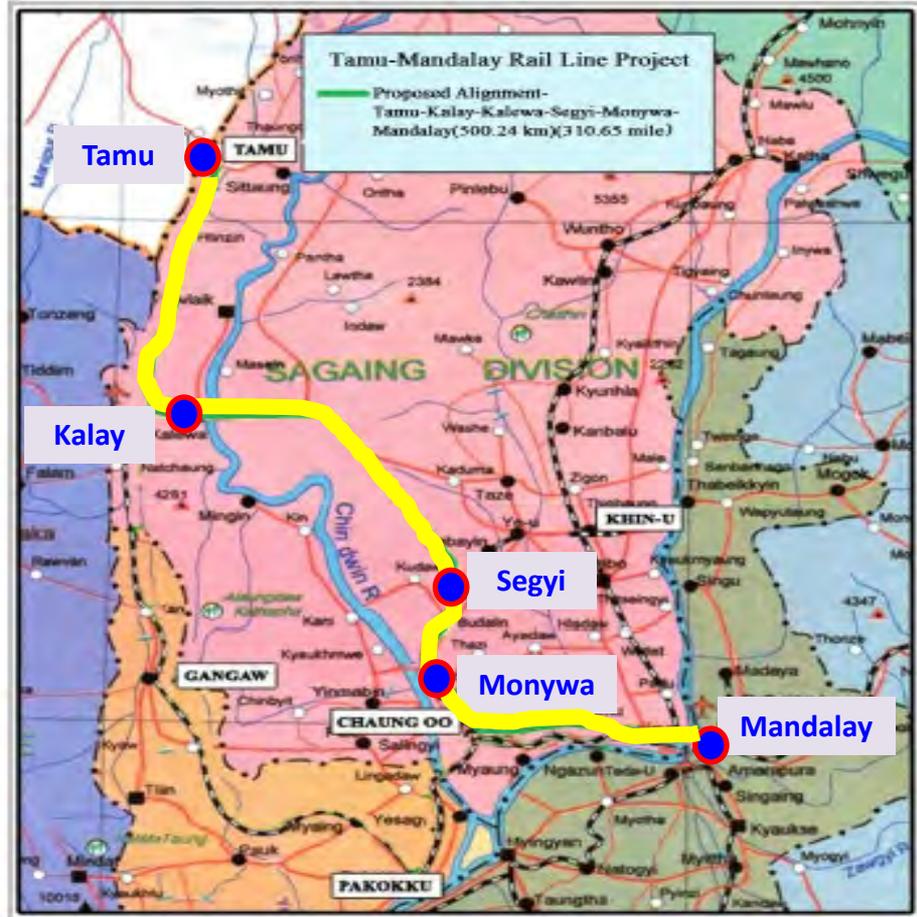
- Existing Rail Lines
- Under Construction
- Potential New Line
- Tentative Plans in Myanmar

Mandalay - Muse New Railway Line Project



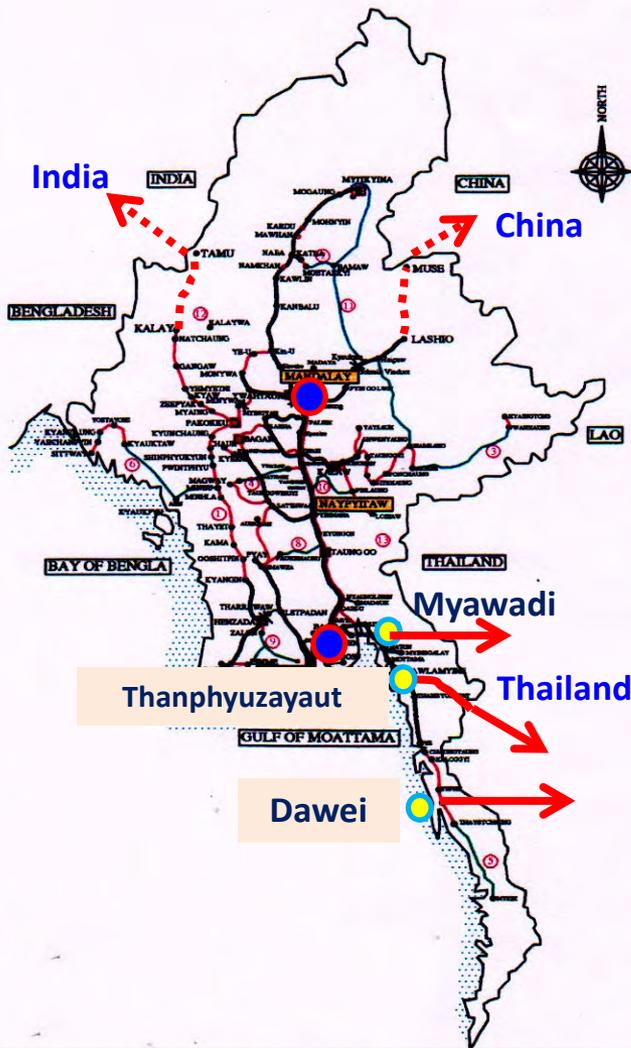
- MR and CREEC signed MoU on 22nd October, 2018.
- CREEC shall submit F/S Report within (12) months after signed MOU.
- Route Length-431 Km
- Standard Gauge, Electrified and Speed 160Km
- If the project is feasible, MR will invite ICB for Project Implementation stage.

Tamu – Mandalay New Railway Line Project



- Tamu (border with Moreh, India) - Kalay , 127 Km in Myanmar Territory.
- RITES conducted F/S at 2004-2005 estimated cost 97.68 mil USD.
- Furthermore, GoM requested to GoI to conduct F/S from Tamu to Mandalay throught Monywa, Segyi Kalay with new alignment.

Myanmar - Thailand Railway Connectivity



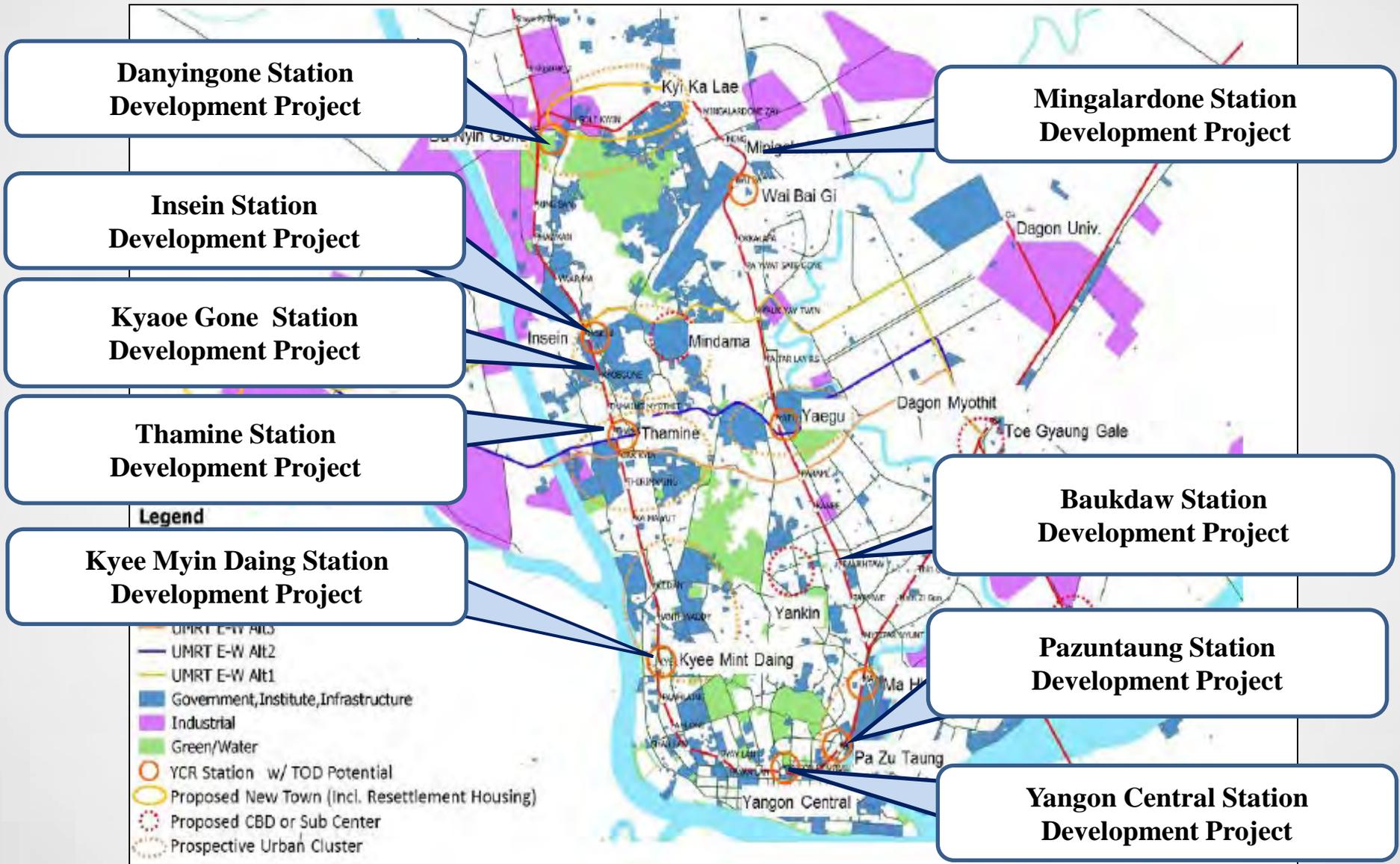
Source: Hong Kong Trade and Development Council

- KOICA conducted F/S on Thanbyuzayat-Three Pagoda Pass (border NamTok, Thailand) - 110 km at 2005-2007.
- Potential three links for future connectivity;
 - Dawai – Kanchanaburi
 - Thanbyuzayat-Three Pagoda Pass
 - Thathon- Myawaddi-Mesaut

Potential Infrastructure Development Projects & Investment Opportunities in Myanmar



Proposed Rail Infrastructure Projects to Project Bank under MSDP



Conclusion





Thank for Your Kind Attentions.

Presented by;

Ba Myint
Managing Director
Myanma Railways