

CREATING A BETTER OPERATIONS AND MAINTENANCE SYSTEM FOR URBAN RAILWAYS





Photo : Jakarta MRT, 15 June 2019

Three Necessary Elements for the O&M of

Reliable and Sustainable Urban Railways

Legal: Regulatory Supervision System

- Enactment of laws on supervisory authority of regulatory entities and duties of operating entities
- Enactment of laws on technical standards and safety management

Regulatory entities

Commercial: Business Schemes

Development of business scheme that generates stable earnings in the long term
Establishment of operating organization









O&M Development Starts

at the Beginning of the Study Phase



Basic Process of JICA's Urban Railways Project

and Necessary Actions by Recipient Countries

Implementation Process for Loan Assistance Projects

Things required of implementing entity



· Appropriate specifications need to be set according to the country's situation.

Example: Because the requirements for personnel were too high, there was no progress in recruitment, delaying organization-building and affecting the timing of the line opening.

Utmost efforts must be made to retain personnel who oversee the FS in the recipient country.

Example: Personnel who oversaw the FS in the recipient country were frequently reassigned. For that reason, it was necessary for each successor to familiarize themselves with knowledge of urban railways and items for review from scratch at the project implementation stage. This required additional cost and time.