

Signing of Japanese ODA Loan Agreement with India —India's First Fully Underground Metro Construction Project in Mumbai, India's Largest City—

On September 17th, the Japan International Cooperation Agency (JICA) signed a Japanese ODA loan agreement with the Government of India in New Delhi to provide up to 71 billion yen for assistance for the Mumbai Metro Line 3 Project to construct India's first fully underground metro line.

Under the project, a mass rapid transit system will be constructed in Mumbai, the capital city of Maharashtra State. This transportation system will meet an increasing transportation demand, and the project aims to develop regional economy and improve the urban environment. The loan funds will be allocated to civil works, electrical and communication-related construction, rolling stock procurement and consulting services.

As India has been rapidly urbanized in recent years, and while the number of registered automobiles and bicycles has quickly risen, while public transportation infrastructure has not kept pace. In particular, traffic congestion accompanying an increased demand for road transportation has become a serious issue in large cities such as Delhi and Mumbai, and the resulting economic loss and the detrimental health effects due to air pollution, noise and other automobile pollution are becoming more serious. A public transportation system therefore must be built to alleviate the traffic congestion and improve the urban environment.

As of 2011, the population of Mumbai was 12.5 million and the population density was 20,694 people per square kilometer, making the city one of the densest in the world. The growth in registered vehicles has been considerable, rapidly increasing from 1.03 million in 2000 to 1.77 million in 2011. Given this, traffic congestion is growing more serious. The average driving speed on major roads in Mumbai, approximately 15 kilometers per hour (km/h), is less than in major foreign cities such as Tokyo (approximately 20 kilometers per hour) and New York (approximately 30 kilometers per hour).

Due to the lack of available land in the Mumbai Metropolitan Region, it is difficult to expand the road network and further develop bus services which currently serves as main public transportation in the said area. This makes a mass underground rapid transit system a prioritised issue. Line 3 will travel from Island City, the main urban area of southern Mumbai, to the western suburbs through Mumbai International Airport. The number of passengers is expected to reach 1.2 million per day after two years of commercial operation. The project is expected to lead to balanced economic development in the Mumbai Metropolitan Region by alleviating traffic congestion and air pollution, as well as reducing traffic accidents.

Reference

1. Terms and Amount of Loan

Project title	Amount (million yen)	Annual interest rate (%)		Repayment period (years)	Grace period (years)	Procurement
		Project	Consulting services			
Mumbai Metro Line 3 Project	71,000	1.40	0.01	30	10	General untied

2. Project Summaries

Executing Agency

Mumbai Metro Rail Corporation

Address: Plot No. C-14 & 15, MMRDA Building, Bandra-Kurla Complex, Bandra (East), Mumbai - 400 051, Maharashtra, India

Phone: +91-22-2659-4000, fax: +91-22-2659-4182

3. Planned Implementation Schedule

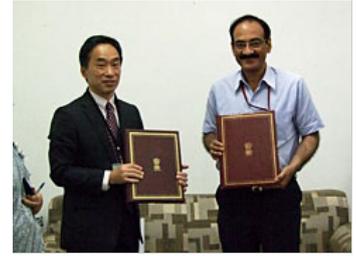
(i) Completion of project: December 2019 – when the facilities are put into service

(ii) Issuing of letters of invitation for consulting services (including construction supervision): June 2013

(iii) Tender announcement of initial procurement package for international competitive bidding on project construction:

Procurement package title: Detailed Design and Construction of Underground Stations and Associated Tunnels

Release date: September 2013



Shinya Ejima (left), chief representative of the JICA India Office, and Rajesh Khullar, joint secretary of the Department of Economic Affairs, Ministry of Finance, Government of India, after the signing ceremony