

***Japan to cooperate  
on “Smart City” initiative  
in Chennai***

Embassy of Japan in India  
July, 2017

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On January 5<sup>th</sup>, 2017, Ambassador Hiramatsu called on H.E. Mr. Venkaiah Naidu, Minister of Urban Development, and discussed Japan’s cooperation on “Smart City” initiatives - flagship initiatives for urban development by the Government of India. In the meeting, Ambassador Hiramatsu conveyed to H.E. Mr. Naidu that Japan has decided to cooperate on the “Smart City” initiative in the cities of Chennai, as well as Ahmedabad and Varanasi.

[http://www.in.emb-japan.go.jp/itpr\\_en/00\\_000215.html](http://www.in.emb-japan.go.jp/itpr_en/00_000215.html)

<http://pib.nic.in/newsite/PrintRelease.aspx?relid=156166>

The following projects are some examples of Japan-India cooperation to transform Chennai into a smart city.

# Chennai Metro Project

The economic loss caused by severe traffic congestion and air pollution caused by automobiles are issues of concern for the Chennai Metropolitan Area. Chennai Metro Project, funded by Japan's soft loan, aims to meet transportation needs and to alleviate those issues.



Signages for ladies and differently-abled people



Automatic Fare Collection System

(Photos: JICA)

# Tamil Nadu Investment Promotion Program (TNIPP)

This program funded by Japan advances private investment, encourages the improvement of policies and systems for promoting industry, and advances the quick realization of infrastructure, including roads, power and water services. These initiatives will improve the investment environment, contributing to increasing foreign direct investment in Chennai and surrounding areas. Phase 1 program was carried out from FY2013 to FY2015, and Phase 2 program was signed in March 2017.



Substation at One Hub Chennai Industrial Park  
Supported under TNIPP



Access Road to Kamarajar Port (Ennore Port)  
Supported under TNIPP

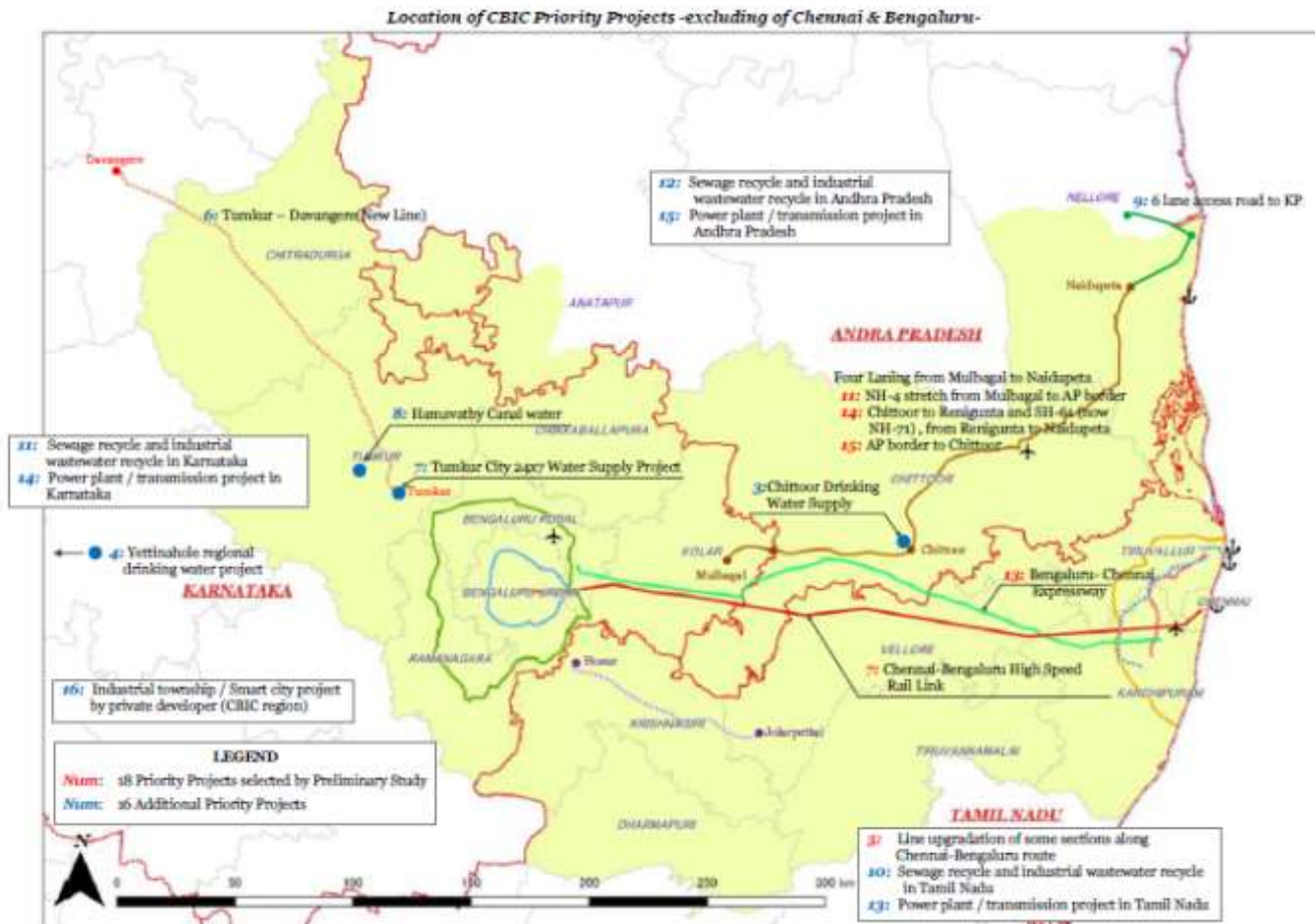


Access Road to Kamarajar Port  
(Ennore Port)  
(Left: New Road, Right: Old Road)

(Photos: JICA)

# CBIC Master Plan

The Chennai-Bengaluru Industrial Corridor (CBIC) Master Plan was finalized under cooperation between Japan and India, in July 2015. It is now in the implementing stage to realize “a globally competitive manufacturing hub”.



(Figure: JICA)

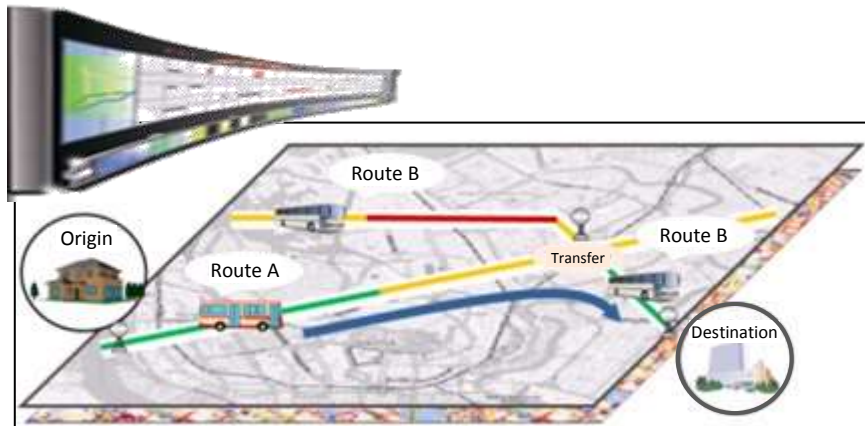


# Optimization of Public Transportation

Hitachi Ltd. will implement this project in Chennai, in 2017, as a JICA Collaboration Program with the Private Sector. A purpose of this project is to verify the utilization of analyzed data of real-time traffic in the entire city. Promotion of public transport usability is essential to solve severe traffic congestion. Hitachi believes its technology can contribute to establishing highly convenient and comfortable society.

## Service for Citizen

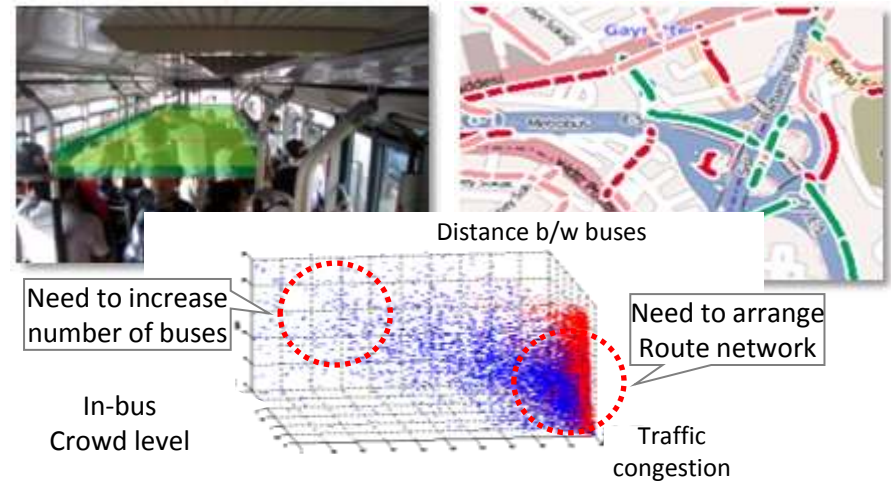
Providing multi modal navigation, such as bus, metro, in consideration of traffic situation



Efficient trip by public transport

## Service for Government

Optimization of bus route planning, based on analysis of in-bus crowd level, traffic congestion



Optimization of public transport plan

# OneHub Chennai

OneHub Chennai, one of the Japan Industrial Townships (JITs), located 50 Km south of Chennai, is an integrated township project, providing business with a future-ready and sustainable operating environment. Its partners are Ascendas, Ireo, JGC Corporation, and Mizuho Bank Ltd.



Site Pictures June 2017



(Photos: OneHub Chennai )

# Sojitz – Motherson Industrial Park

Sojitz – Motherson Industrial Park, located 45 km South-West of Chennai, is being developed as one of the Japan Industrial Townships (JITs), with not only excellent infrastructure service, but also support from resident Japanese staff of Sojitz.



(location map for Japanese manufacturers)



- Development area: About 115 ha
- Total 60 plots @0.5ha-
- Well-planned Infrastructure
- Rental factory, warehouse, Japanese restaurant, etc
- Japanese staff will support clients for:
  - \*company establishment
  - \*factory construction and equipment
  - \*government approvals
  - \*logistics, etc.

(©Sojitz Corporation)



# Mahindra Industrial Park-Chennai

Mahindra Industrial Park-Chennai(MIPC), jointly developed by Sumitomo Corporation and Mahindra World City Developers Limited, launched its marketing activities from June 2017. MIPC, located 37km north from Chennai central city, is selected as one of the Japan Industrial Townships.

MIPC is proposed to be developed in two phases: Phase I in an extent of -300 acres and Phase II in an extent of -350 acres. The current investment of the project for Phase I will be Rs. 425 crores, and the investment for Phase II will be Rs.500 crores.



(Photos: MIPC)

# Toshiba JSW Power Systems

Toshiba JSW Power Systems Private Limited (TJPS), established at Chennai in September 2008, with 3,000MW/year manufacturing capacity for large steam turbines and generators, began the shipment of state-of-the-art Steam Turbines in March 2012.

The improvement of access road to Kamarajar port (former Ennore Port) for heavy over dimensional cargo, such as Generator Stator, was promised in NOA with Government of Tamil Nadu and completed by the assistance of Tamil Nadu Investment Promotion Program (TNIPP) by JICA, before the first shipment of its Generator Stator.

Although TJPS Chennai Factory was extensively damaged by the flood in December 2015, it has fully recovered and shipped its first fully Indian-made Generator in August 2016.



**First fully Indian-made Generator shipment from TJPS Chennai Factory**



**800MW LP Turbine Rotor**



**Large Lathe for Rotors**



**Turbine Assembly**



**Transportation of Generator to Kamarajar Port**

(Photos: Toshiba JSW Power Systems Pvt. Ltd. )



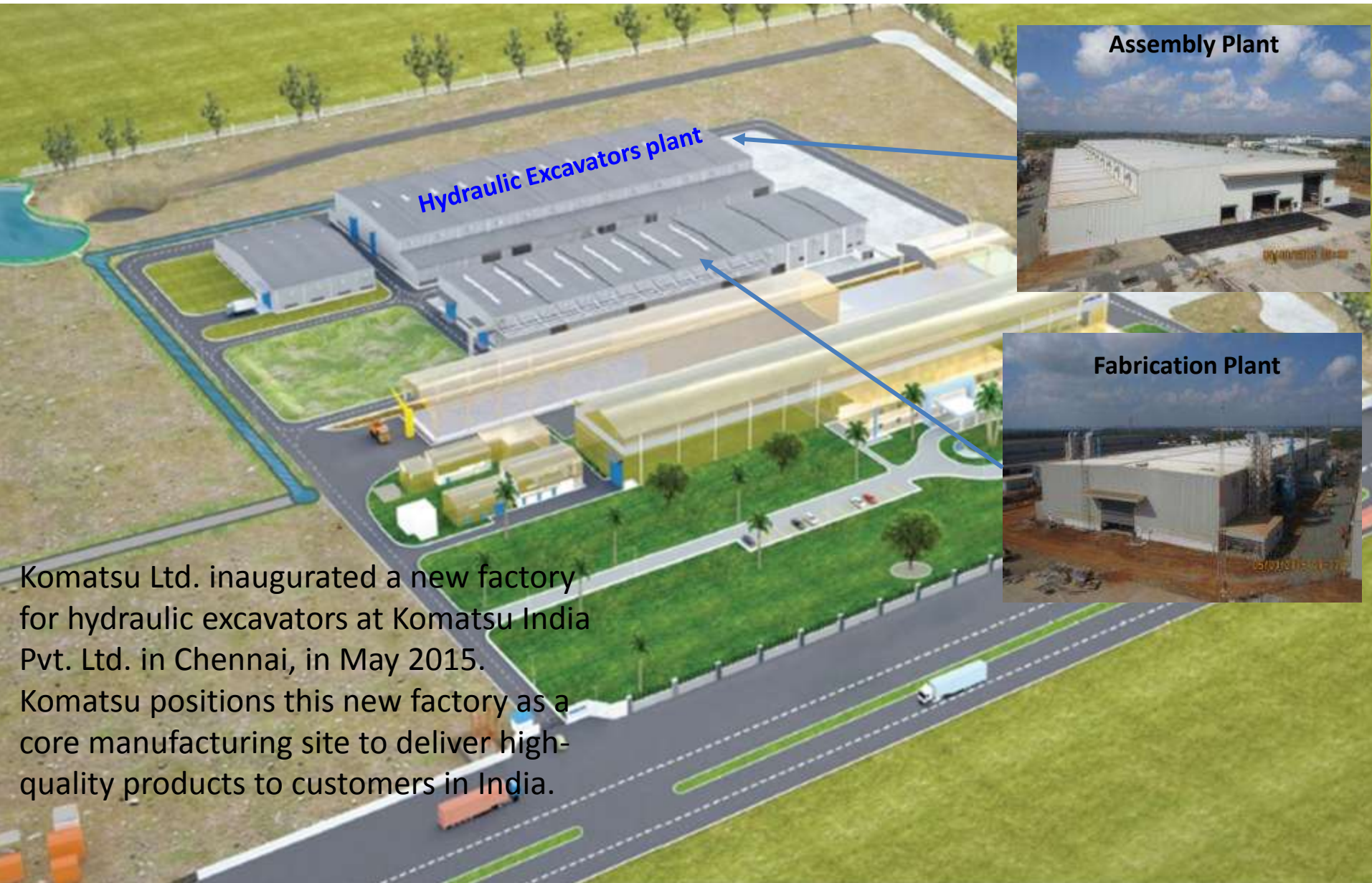
# Renault Nissan Automotive India Private Limited

Renault Nissan Automotive India Private Limited (RNAIPL) in Chennai is the first dedicated Renault-Nissan Alliance global plant. RNAIPL represents an investment of approximately INR 61 billion since 2008. The facility is located on a 640 acre site. The plant manufactures Renault, Nissan and Datsun car models for domestic and overseas markets, and has full stamping, body, paint, plastic, trim and chassis shops with three test tracks. It has an installed production capacity of 480,000 vehicles per year.

Since beginning operations in India, Renault-Nissan has contributed to creating 40,000 direct and indirect jobs, including 5,000 high value engineering jobs at its R&D Centre – RNTBCI, near Chennai.



# Komatsu's Factory for Hydraulic Excavators



Hydraulic Excavators plant

Assembly Plant

Fabrication Plant

Komatsu Ltd. inaugurated a new factory for hydraulic excavators at Komatsu India Pvt. Ltd. in Chennai, in May 2015. Komatsu positions this new factory as a core manufacturing site to deliver high-quality products to customers in India.