

JICA's activities in India

November 7th ,2019
JICA India

India - Japan Relations

- Both established **Special Strategic and Global Partnership**.
- For India, Japan is the **largest bilateral development partner**.
- For Japan, India is the **oldest partner** of ODA.

- Apr. 1952 Established official diplomatic relations
- 1958 Japan's first ODA Loan in the world extended to India.
- Aug. 2000 "**Japan-India Global Partnership in the 21st Century**"
- Apr. 2005 Japanese PM Koizumi visited India. Annual based PMs



- Dec. 2006 "**Joint Statement Towards Japan-India Strategic and Global Partnership**"
- Sept. 2014 Indian PM Modi visited Japan. "**Tokyo Declaration for Japan-India Special Strategic and Global Partnership**"

a) Doubling Japan's foreign direct investment in India within five years.

b) Doubling the number of Japanese companies in India within five years.

c) JPY 3.5 trillion (Rs. 2 trillion) of public and private investment and financing to India from Japan, including ODA, within five years.

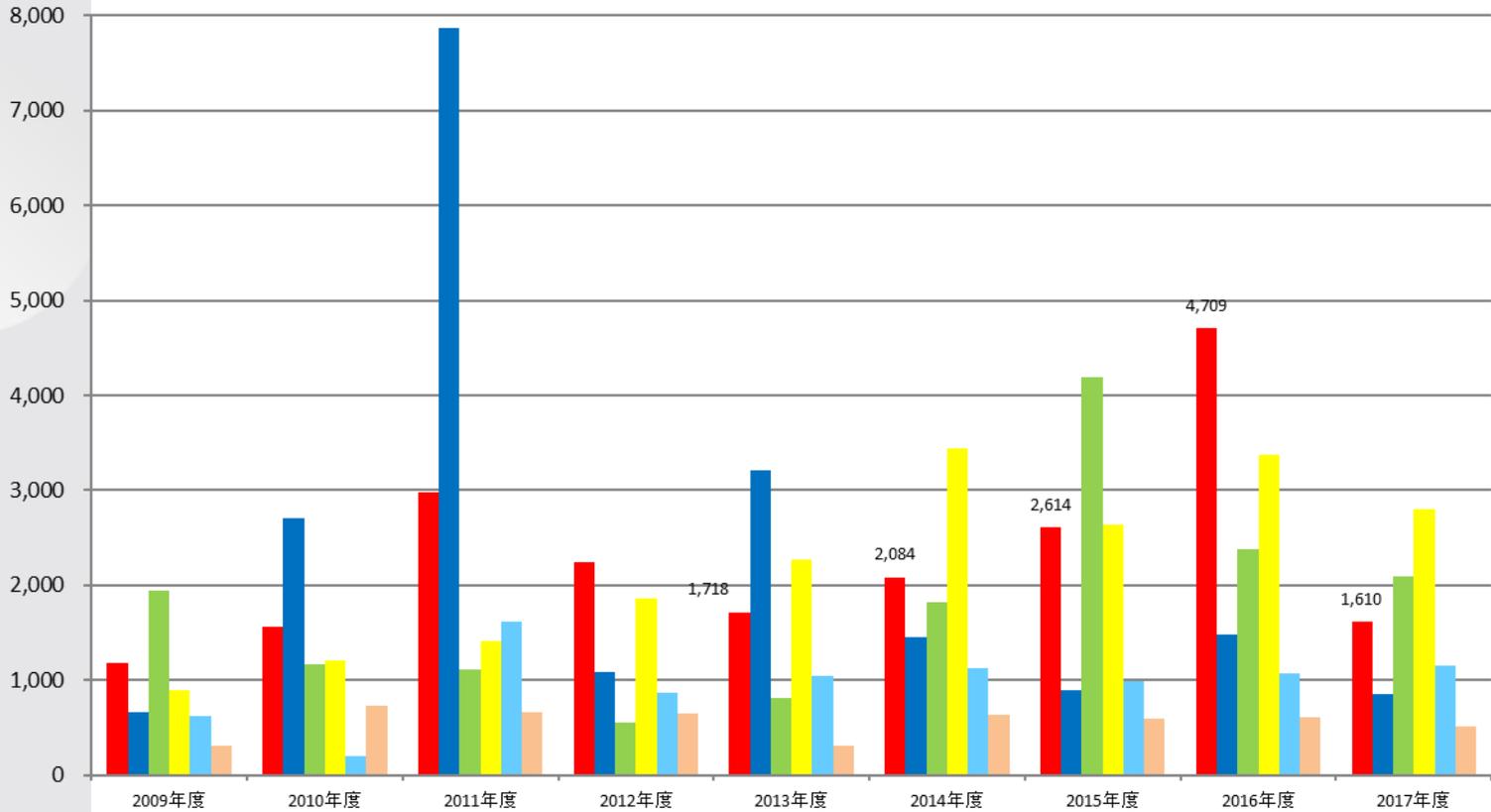
- Sept. 2017 Japanese PM Abe visited India (Commencement ceremony of HSR in Ahmedabad)
- Oct. 2018 Indian PM Modi visited Japan (Tokyo and Yamanashi).

Japan's Foreign Direct Investment to India

Trend of FDI

■ 日本 ■ 英国 ■ 米国 ■ オランダ ■ ドイツ ■ フランス

(US\$
in
million)

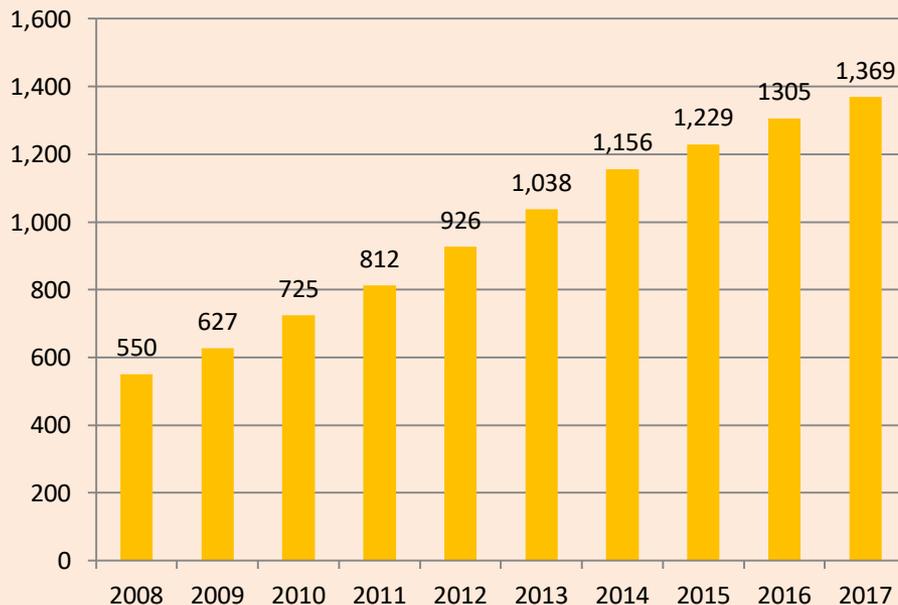


(Source) GOI

- More than 1,300 Japanese companies have started business in India. (approx. 2.5 times more than 10 years ago)
- Japanese citizens living in India have doubled in 10 years

Japanese companies in India

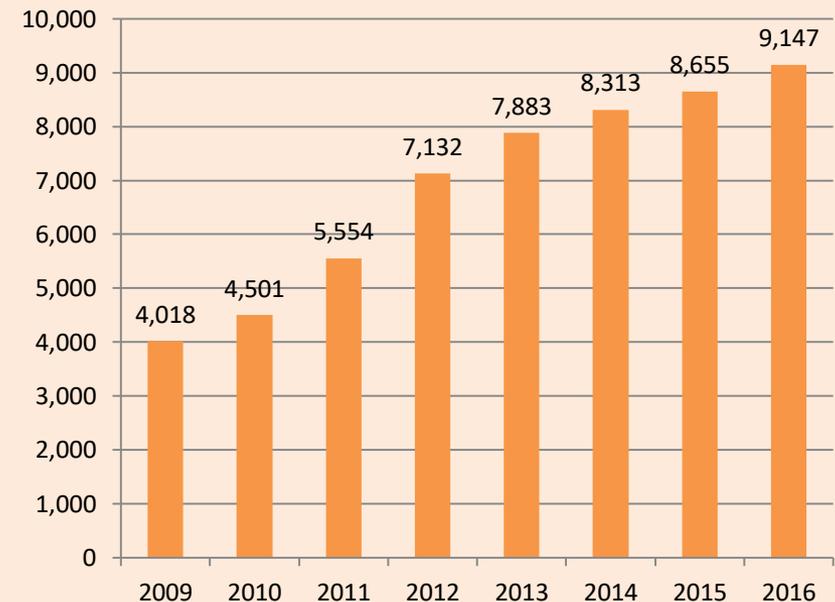
As of Dec. 2017



http://www.in.emb-japan.go.jp/Japanese/2017_co_list_jp.pdf

Japanese living in India

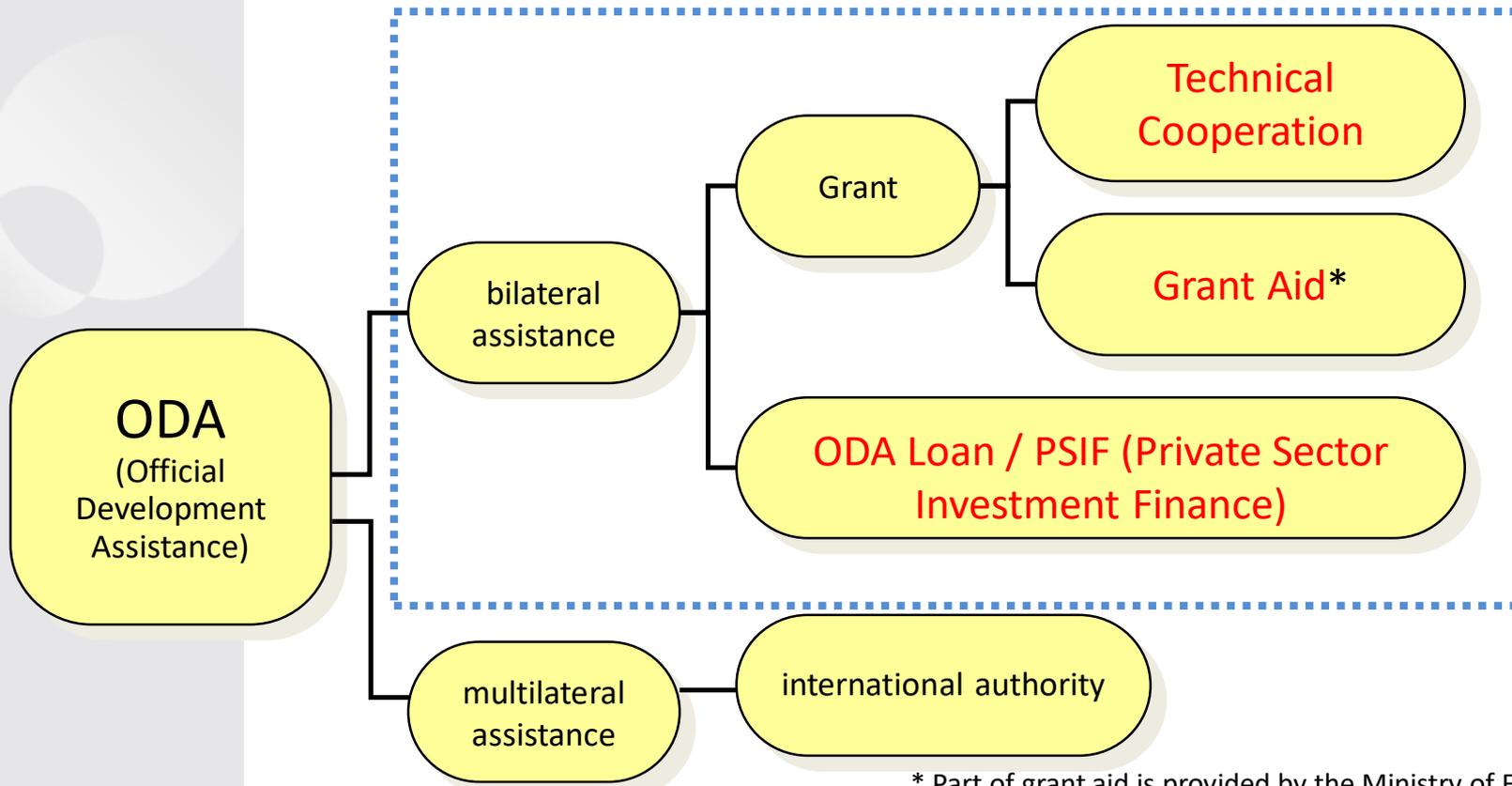
As of Oct. 2017



<https://www.mofa.go.jp/mofaj/files/000368753.pdf>

What is “JICA”?

- ✓ JICA is a **governmental agency** of Japan that implements official development assistance (ODA).
- ✓ JICA, the world’s largest bilateral aid agency, works in over 150 countries and regions and has some 100 overseas offices.



* Part of grant aid is provided by the Ministry of Foreign Affairs.

Japan International Cooperation Agency

- **President:** Shinichi Kitaoka
- **Establishment:** August 1974 Reorganized 2008
- **Staff:** 1,827 (Full time)
- **Recipient Countries:** 150
- **Overseas Offices:** 92
- **Offices in Japan:** HQ (Tokyo) and 17 sites

JICA's Vision

Inclusive and Dynamic Development

Mission 1

Addressing Global Agenda

Mission 3

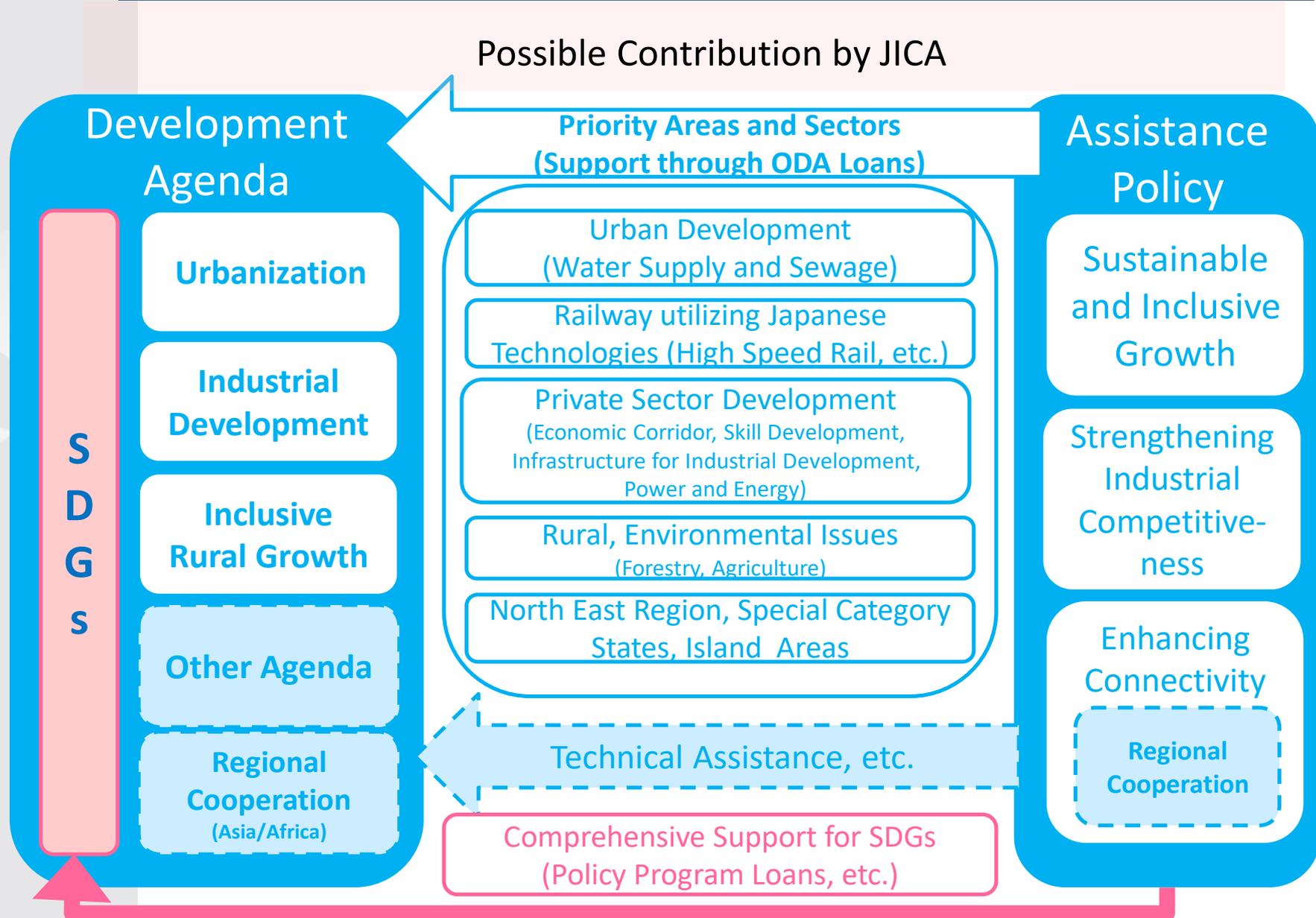
Improving Governance

Mission 2

Reducing Poverty
through Equitable Growth

Mission 4

Achieving Human Security



India is JICA's Largest Development Partner

Soft Loan

Accumulated Commitment by FY2017/18:

- JPY 5.3 trillion in total
(equivalent to over Rs. 3 lakh crore)

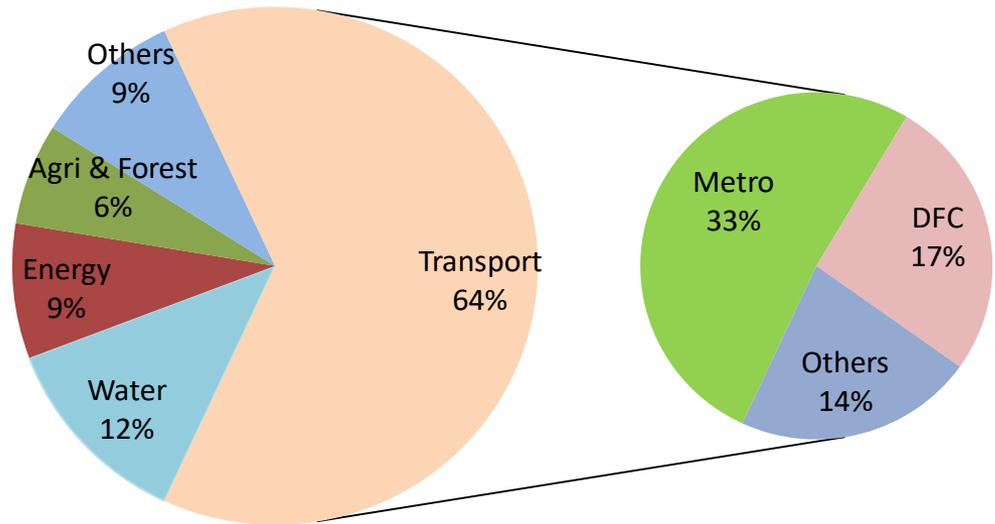
Operational Results in FY2017/18:

Commitment: JPY 398.4 billion
(equivalent to about Rs. 25,000 crore)
Disbursement: JPY 264.3 billion
(equivalent to over Rs. 16,000 crore)

Terms and conditions: (as of Jan. 2018)

- General terms: Interest rate 1.5%, repayment period 30 years (including 10 years grace period)
- STEP: Interest rate 0.1%, repayment period 40 years (including 12 years grace period)

Major Sector (FY2008/09-2017/18)



Grant Aid

Two on-going projects
in
Varanasi & Bengaluru

Technical Cooperation

- Results in FY 2016/17
JPY 16.0 billion (about Rs. 850 crore)
- About 1100 Japanese experts to India
- About 250 Trainee from India to Japan

Citizen Partnership / Public-Private Partnership

- Japanese Volunteers
- Japanese NGO activities
- Partnerships with
Private-Sector Activities

Cooperation on Metro Projects

JICA has been supporting metro projects in 6 major cities in India

Ahmedabad Metro

- Total Length: 38 km
- Project Cost: JPY 246 Billion (about Rs. 15,000 crore)
- Completion Year: 2020
- Under Construction

Delhi Metro

- Total Length: 351km
- Project Cost: JPY 1,274 Billion (about Rs. 80,000 crore: Phase 1-3)
- Completion Year: 2020 (Phase-3)
- Phase 4 plan is coming up



Mumbai Metro

- Total Length: 34 km
- Project Cost: JPY 621 Billion (about Rs. 39,000 crore)
- Completion Year: 2021
- Under Construction. New plan for Line 2 and 4 is coming up.

Kolkata Metro

- Total Length: 16 km
- Project Cost: JPY 140 Billion (about Rs. 9,000 crore)
- Completion Year: 2021
- Under construction

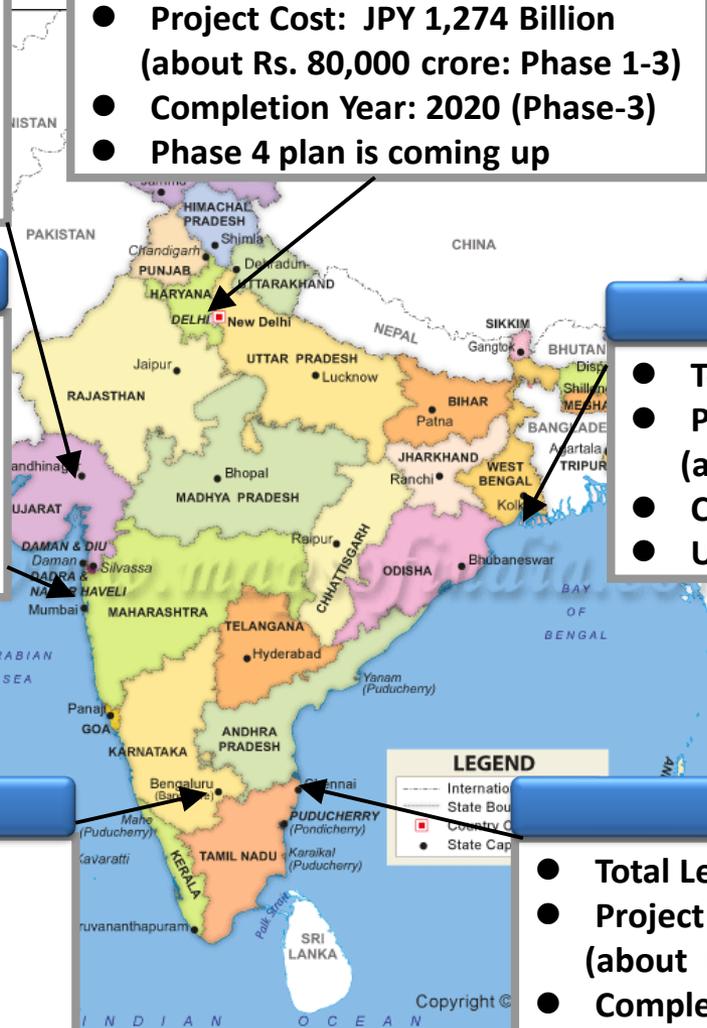


Bangalore Metro

- Total Length: 42 km
- Project Cost: JPY 307 Billion (about Rs. 19,000 crore)
- Completion Year: 2017
- Phase-2 is under construction

Chennai Metro

- Total Length: 53 km
- Project Cost: JPY 386 Billion (about Rs. 24,000 crore)
- Completion Year: 2020 (Phase-1)
- Phase-1 under construction

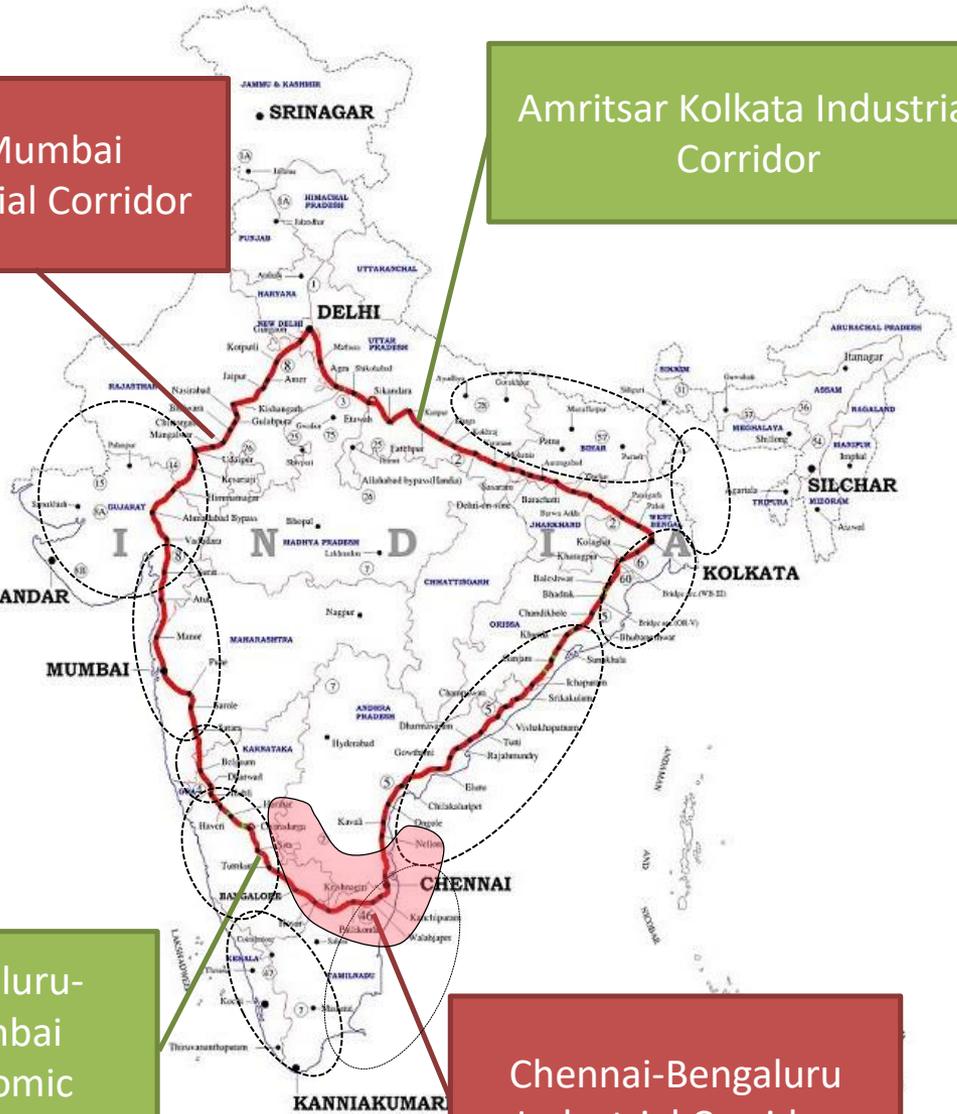


Industrial Corridors under Development (DMIC & CBIC)

Delhi-Mumbai Industrial Corridor

Amritsar Kolkata Industrial Corridor

DMIC and CBIC are being supported by GoI and GoJ.



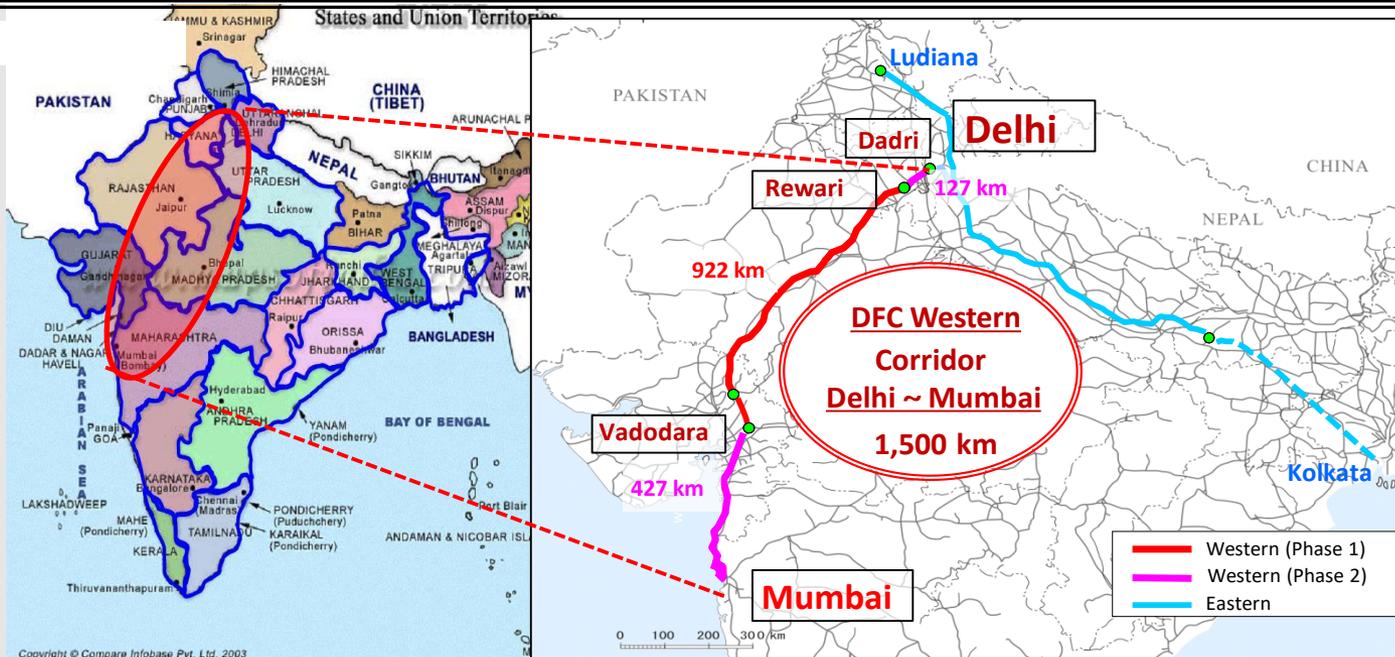
National Manufacturing Plan Targets

- ~15% y-o-y growth in manufacturing sector to achieve 25% contribution to GDP by 2022
- 100 million jobs by 2022
- Skill development for inclusive growth
- Improved *technology* orientation & *value addition*
- Global Competitiveness
- Environmental sustainability

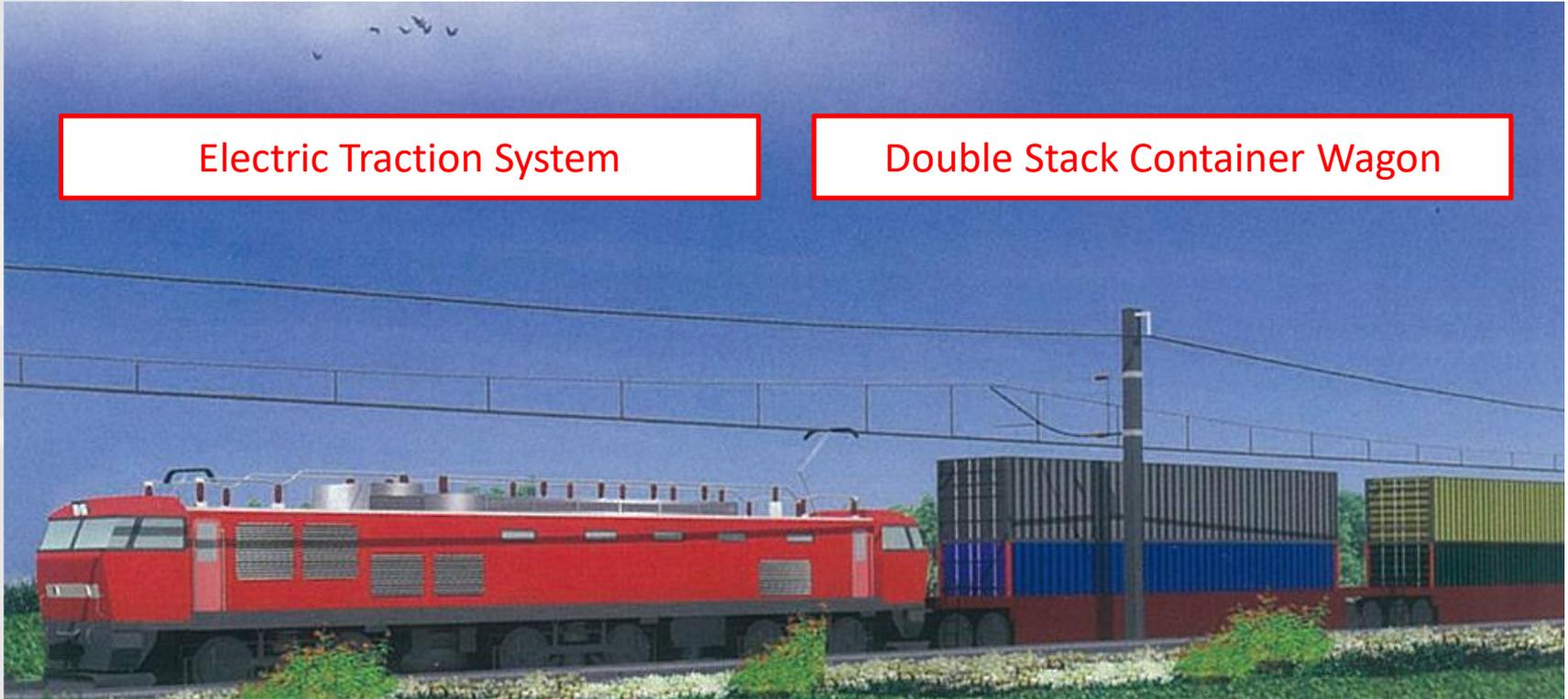
Bengaluru-Mumbai Economic Corridor

Chennai-Bengaluru Industrial Corridor

- The **backbone of DMIC** (Delhi-Mumbai Industrial Corridor)
- WDFC (**Delhi-Mumbai: 1,500 km**) will focus on:
 - (1) construction of **new dedicated freight lines**
 - (2) installation of **automated signal & telecommunication**
 - (3) introduction of **electric locomotives** with high-speed & high-capacity transportation
- Construction is underway (Almost all tendering are completed)



<Completion image>



Electric Traction System

Double Stack Container Wagon

	DFC		NOW
Maximum speed	100 km / h	←	30 - 40 km / h (approximately)
Transport time (Delhi – Mumbai)	20 hours (approximately)	←	48 - 72 hours

- Recent ODA Loan Projects -

- Haryana Transmission System Project (FY2007)
- Haryana Distribution Upgradation Project (FY2013)

- Madhya Pradesh Transmission System Modernisation Project (FY2011)
- Madhya Pradesh Transmission System Strengthening Project (FY2015)

- Maharashtra Transmission System Project (FY2007)

- Bangalore Distribution Upgradation Project (FY2006)

- Tamil Nadu Transmission System Improvement Project (FY2012)

(More than two States)

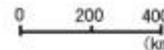
- Rural Electrification Project (FY2005)
- New and Renewable Energy Development Project (FY2011, FY2014)
- Micro, Small and Medium Enterprises Energy Saving Project (FY2008, FY2011, FY2014)

- Dhauliganga Hydroelectric Power Plant Construction Project (FY1996~FY2004) (Uttarakhand)

- (West Bengal)
- Bakreswar Thermal Power Station Project (FY2002)
 - Purulia Pumped Storage Project (FY1994, FY2004, FY2005)

- Odisha Transmission System Improvement Project (FY2015)

- Transmission System Modernization Project in Hyderabad (FY2006)
- AP Rural High Voltage Distribution System Project (2010)
- Simhadri Thermal Power Station Project (FY1997, FY2001, FY2002, FY2003)



Legend

- Generation
- Transmission and Distribution

Issues

① Demand / supply gap

- Only a few hours of water supply can be provided per day, even in urban areas
- Further increase in demand is inevitable due to the growth of population and economic development

② Financial vulnerability in water-supply corporations

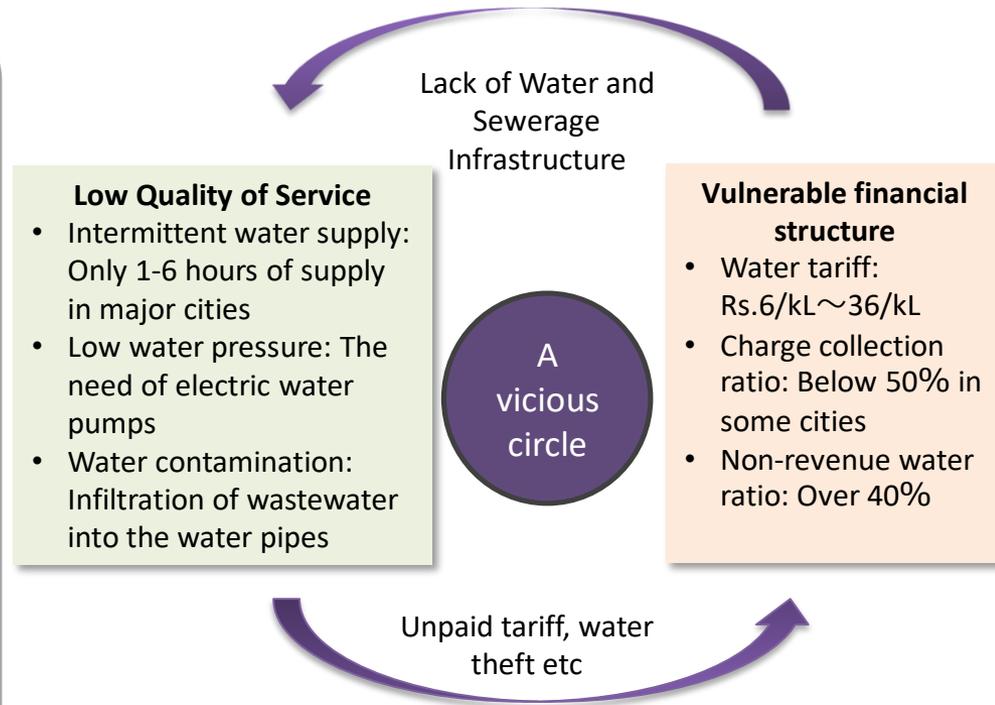
- NRW* ratio is 52% in Delhi and 51% in Bengaluru, compared to 4% in Tokyo**

*the difference between the water distribution volume and the billed volume

** Japan Water Research Center Dec 2017

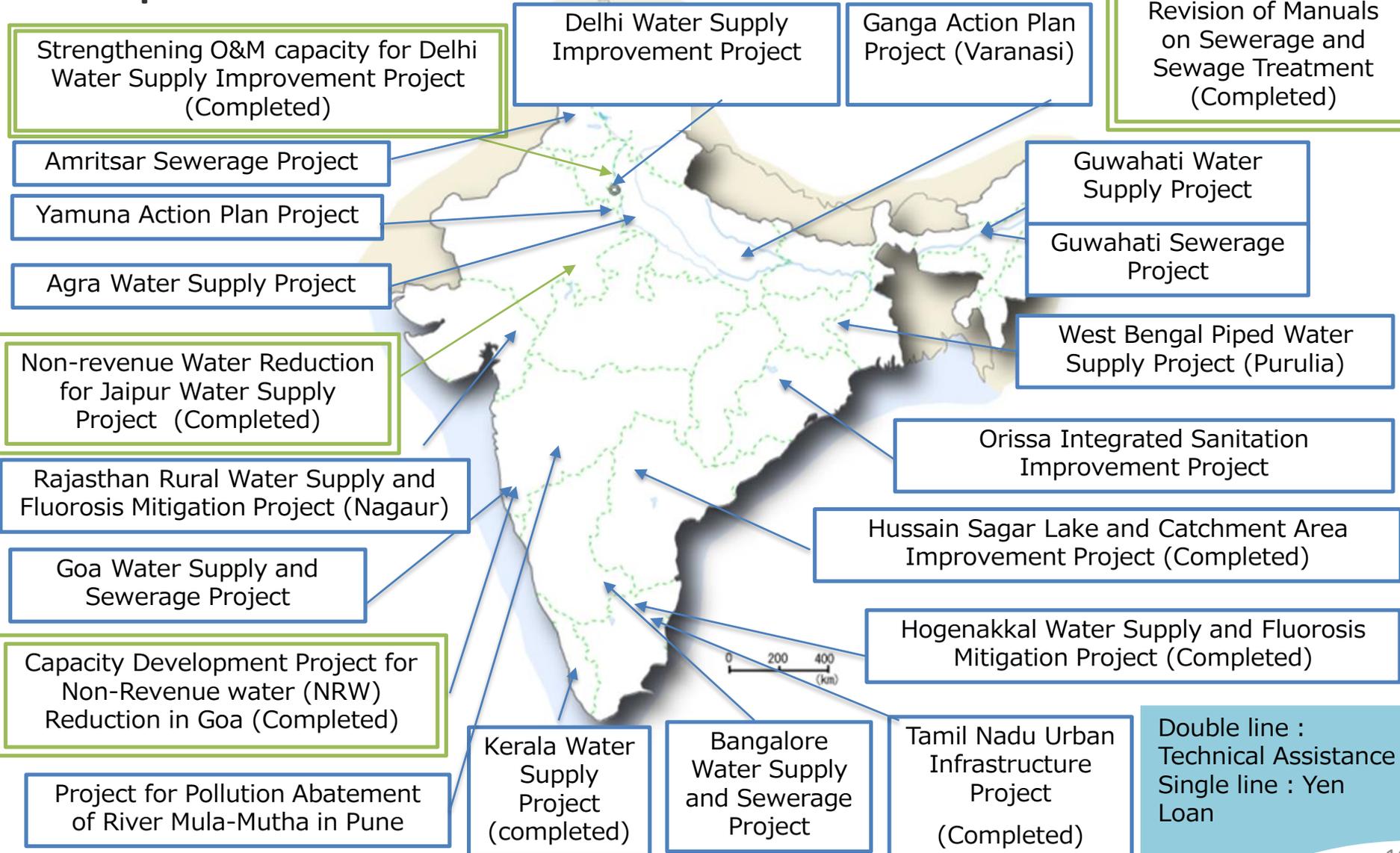
③ Environmental, sanitary and health issues

- Decrease of groundwater levels and contamination of water by toxins such as arsenic and fluorine
- Contamination of rivers due to lack of sewerage system, leading to health hazards such as diarrhea and hepatitis



A countermeasure for non-revenue water: water leakage detection

Improving water and sewerage infrastructure mainly in metropolitan areas and industrial areas



Improving Business environment: Gujarat Investment Promotion Program (GIPP)

Program Implementation Unit

Finance Department/ Industry Department, GoGJ

L/A signing: Sept. 2017 (Program term: FY2016– FY2018)

L/A amount: JPY 16,825 million (INR 967 Cr.)

Policy Actions

- PPP promotion
- Industrial Development
- Single window system
- Administrative process
- Skill development
- Infrastructure Development

Major achievements/ Targets

- Capacity building on PPP infrastructure
- Upgradation of Single Window Clearance System
- Establishment of Policy Research Cell in Industry Dept.
- Infra-Developments (Road, Water Supply and etc.)
- Establishment of Apex Training Institute

Current Progress

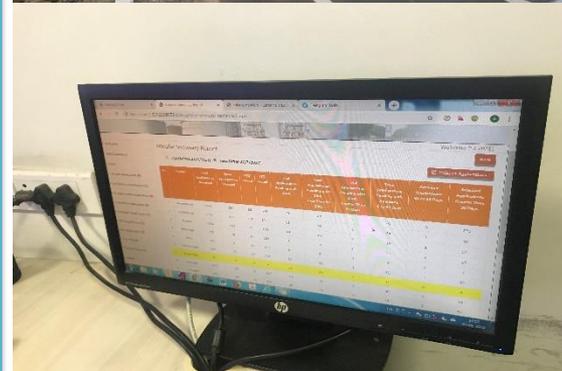
In accordance with the progress, 1st loan disbursement (JPY6,731 Million) has been made in March 2018 and 2nd loan disbursement (JPY5,047 Million) in February 2019.



Water Supply facility in Bhagapura, funded by GIPP.



Khoraj Estate Road funded by GIPP



Online Dashboard on investment application status, which has been facilitated under GIPP.

Act East Forum

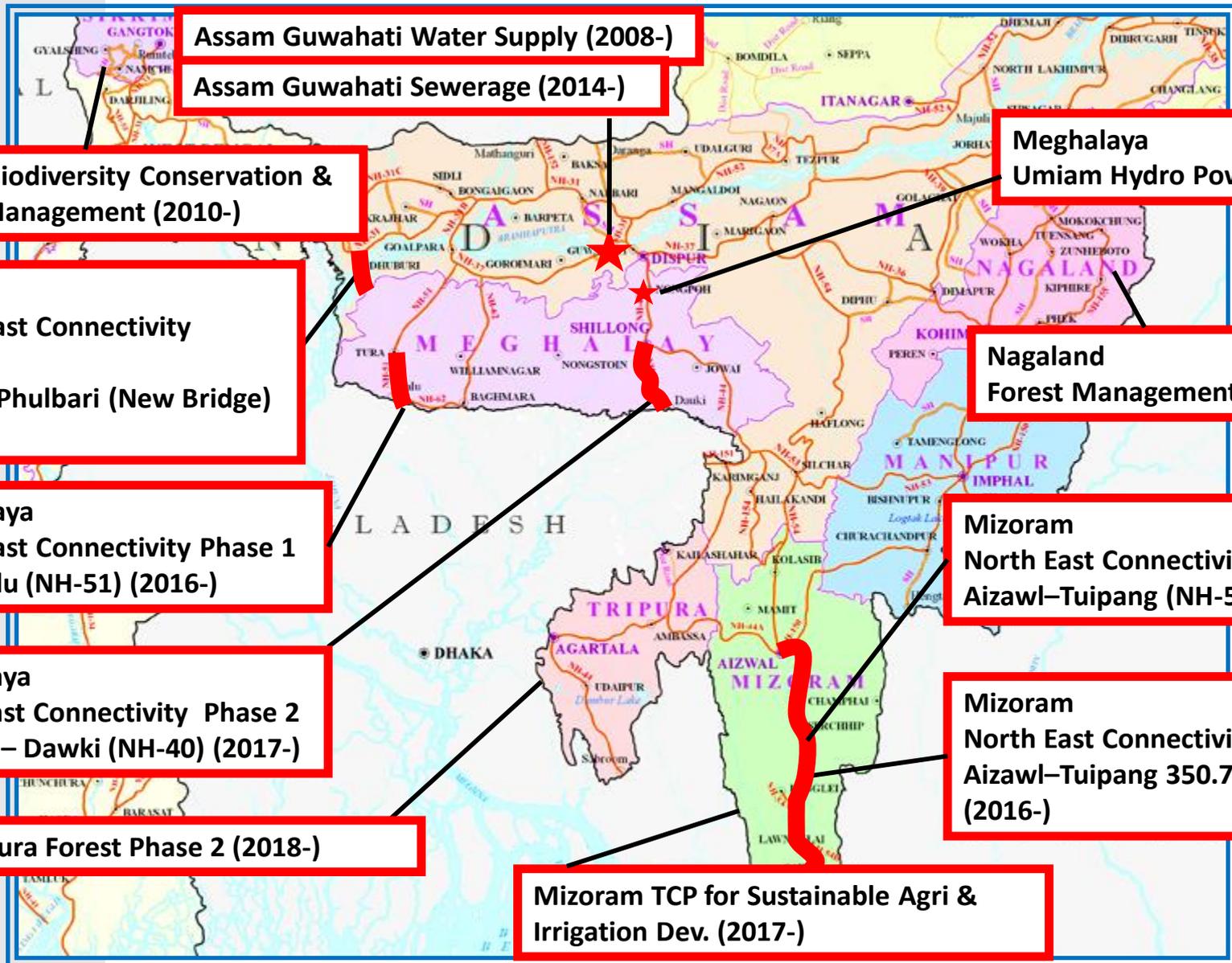
The Forum aims to further expand the cooperation between Japan and India in North East and to strengthen the relationship between Japan and North East, as well as that between Japan and India. In this regard, the Forum discusses cooperation in various fields and promotes Japan's cooperation in the region.

- 1. Enhancing Connectivity**
- 2. Forest Management**
- 3. Bamboo**
- 4. Disaster management**
- 5. People-to-people exchanges**



JICA's Cooperation for NER

Continuous Cooperation for Sustainable Development including Connectivity Enhancement



Assam Guwahati Water Supply (2008-)

Assam Guwahati Sewerage (2014-)

Meghalaya
Umiam Hydro Power (2018-)

Sikkim Biodiversity Conservation &
Forest Management (2010-)

Assam
North East Connectivity
Phase 3
Dhubri/Phulbari (New Bridge)
(2018-)

Nagaland
Forest Management (2016-)

Meghalaya
North East Connectivity Phase 1
Tura-Dalu (NH-51) (2016-)

Mizoram
North East Connectivity Phase 2
Aizawl–Tuipang (NH-54) (2017-)

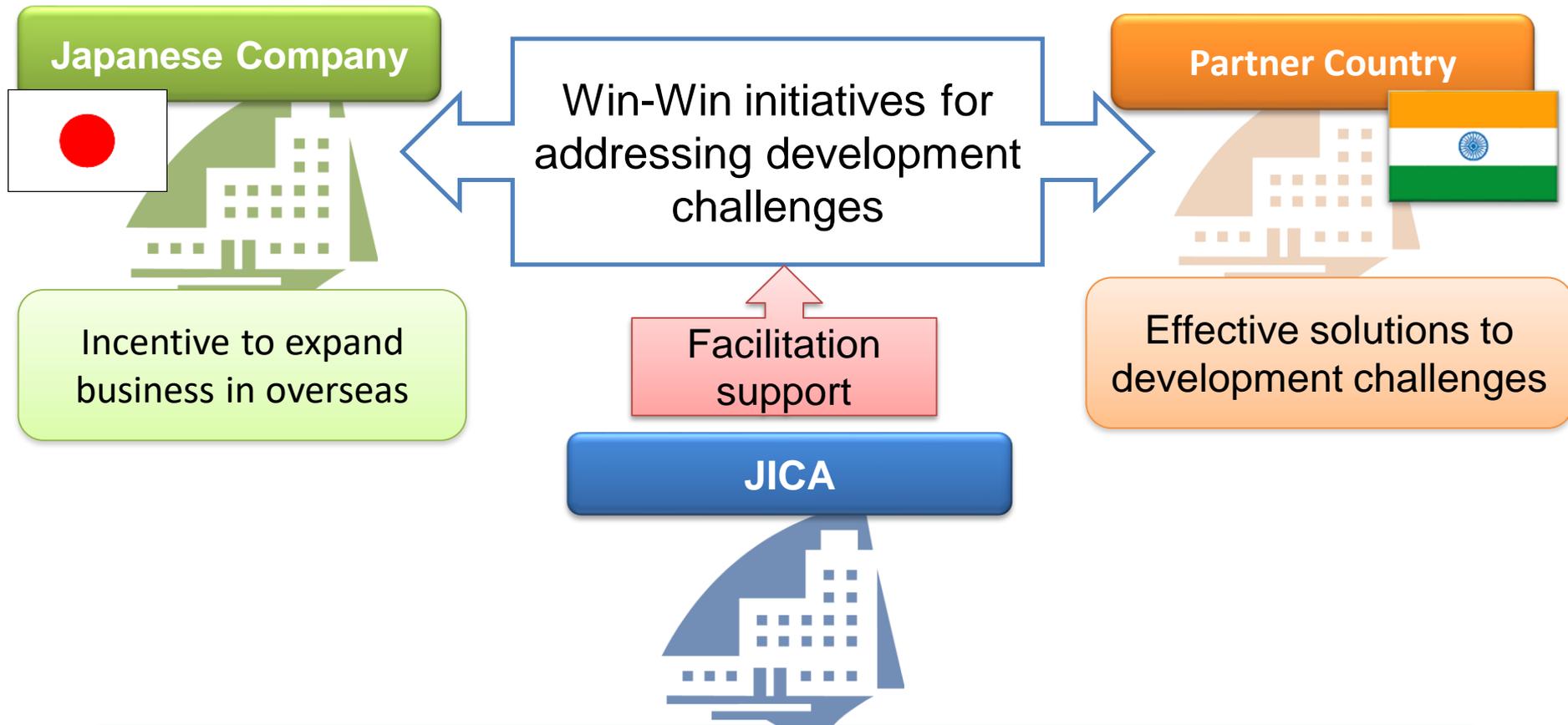
Meghalaya
North East Connectivity Phase 2
Shillong – Dawki (NH-40) (2017-)

Mizoram
North East Connectivity Phase 1
Aizawl–Tuipang 350.7km (NH-54)
(2016-)

Tripura Forest Phase 2 (2018-)

Mizoram TCP for Sustainable Agri &
Irrigation Dev. (2017-)

JICA's Private Sector Participation Program



JICA facilitates the realization of both Japanese companies for business expansion and partner countries' initiatives for achieving their development goals through utilizing technologies/products of Japanese companies

Proposed Technologies and Products in India

Sector

Proposed Product / Technology in India

Environment and Energy



Chemical Analysis
Technology Corresponding to
Stockholm Convention on
POPs (Delhi)

Waste Treatment



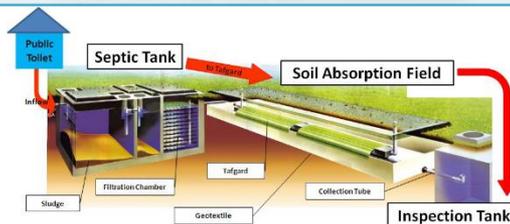
High Speed Organic Waste
Processing / Compost
Producing Machine (Kerala)

Water Purification
and Treatment



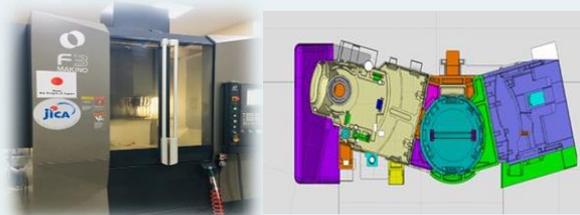
Plastic Underground
Rainwater Storage System
(Chennai)

Water Purification
and Treatment



Tafgard Technology for Eco-
friendly Toilet (Wastewater
treatment) (Varanasi,
Muzaffarnagar)

Vocational Training and
Industrial Development



Engineer Training for
Modular Dies (Lucknow)

Proposed Technologies and Products in India

Sector	Proposed Product / Technology in India	
Agriculture		Self-propelled Potato Harvester (Punjab)
Health and Welfare	 <p>Standardization</p>	Ice Battery System for Medical Cold Chain Development (Delhi)
ICT Infrastructure		Intelligent Transport System (Ahmedabad)
Infrastructure	 	Precast Concrete Product & Form (Mould) (Gujarat)
Disaster Preparedness and Response	 	Dry Type High-quality M-sand/Plaster Sand Classifier System for High-strength Concrete (Bengaluru)

Ongoing Projects in India

As of May, 2019
No of Projects: 7

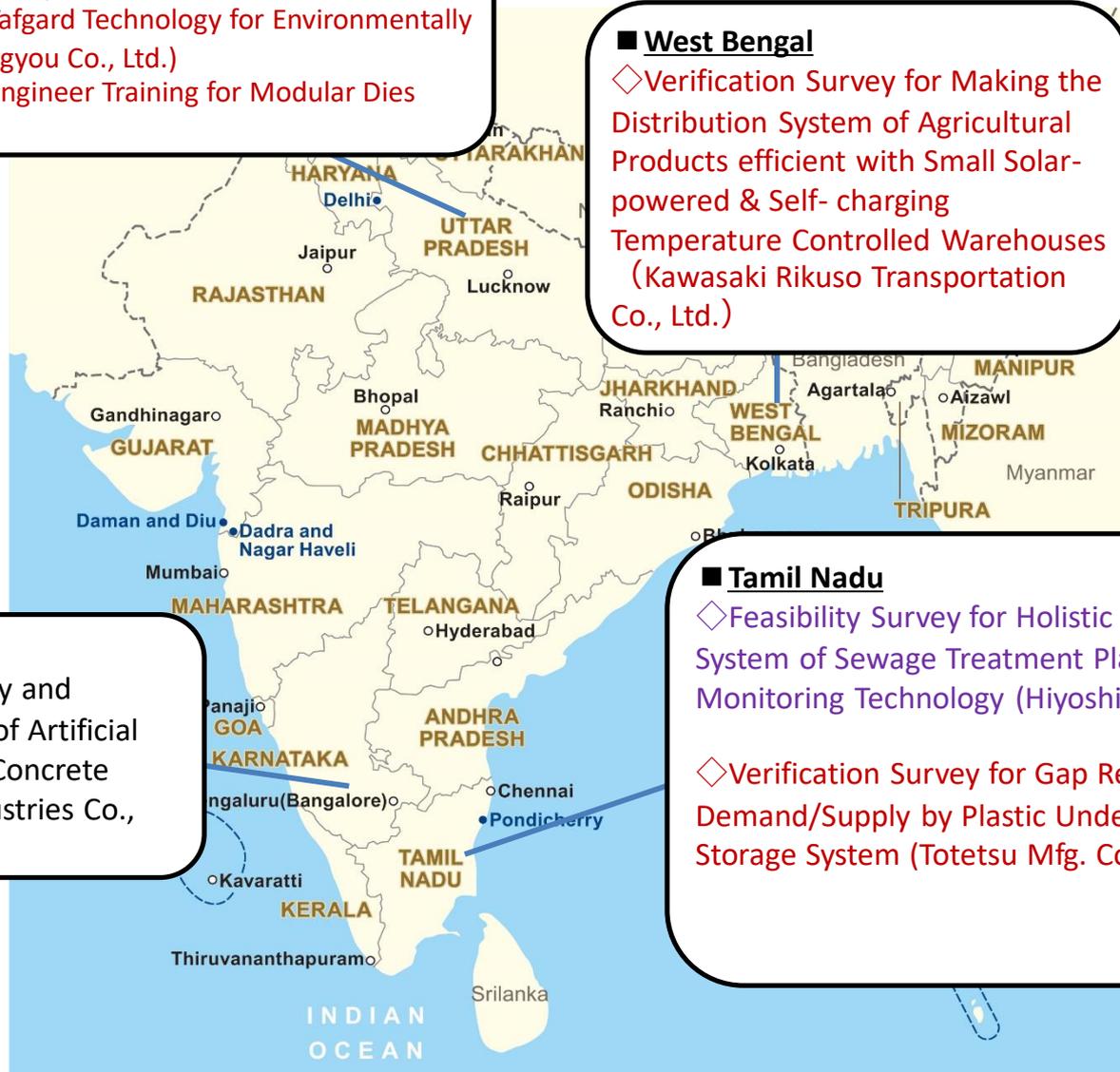
- Uttar Pradesh**
- ◇ Feasibility Survey for Development of Catfish Hatchery Industry (Miyachi Corporation)
 - ◇ Verification Survey for Tafgard Technology for Environmentally Friendly Toilets (Taisei Kougyou Co., Ltd.)
 - ◇ Verification Survey for Engineer Training for Modular Dies (Gifutadaseiki Co., Ltd.)

- West Bengal**
- ◇ Verification Survey for Making the Distribution System of Agricultural Products efficient with Small Solar-powered & Self- charging Temperature Controlled Warehouses (Kawasaki Rikuso Transportation Co., Ltd.)

- Karnataka**
- ◇ Survey on High Quality and Sustainable Production of Artificial Sand for High-Strength Concrete Production (Koritsu Industries Co., Ltd.)

- Tamil Nadu**
- ◇ Feasibility Survey for Holistic Management System of Sewage Treatment Plant with Remote Monitoring Technology (Hiyoshi Corporation)
 - ◇ Verification Survey for Gap Resolution of Water Demand/Supply by Plastic Underground Rainwater Storage System (Totetsu Mfg. Co., Ltd.)

Basic Research	1
Feasibility Survey	2
Popularization, Demonstration, and Commercialization	4



Thank you!

धन्यवाद



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