Progress Report of the Japan Industrial Townships (JITs) in India

October 2018

Ministry of Economy, Trade and Industry (METI)
Japan
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Japan Industrial Townships (JITs) were agreed to be developed as one of the initiatives in “the Japan-India Investment Promotion Partnership” announced by Prime Minister Abe and Prime Minister Modi, September 2014.

JITs are designed to offer business environments in which Japanese companies can smoothly establish production sites and operate their businesses.

This report summarizes the efforts and achievements by Japan for 12 JITs in 9 states in India.

India has also prepared its own progress report with regard to its efforts to improve business environment of JITs.
# Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>AOTS</td>
<td>The Association for Overseas Technical Cooperation and Sustainable Partnerships</td>
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<tr>
<td>APEDB</td>
<td>Andhra Pradesh Economic Development Board</td>
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<td>APO</td>
<td>Asian Productivity Organization</td>
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<td>BSC</td>
<td>Business Support Center</td>
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<td>CBIC</td>
<td>Chennai- Bengaluru Industrial Corridor</td>
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<td>CFS</td>
<td>Container Freight Station</td>
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<td>CM</td>
<td>Chief Minister</td>
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<td>CST</td>
<td>Central Sales Tax</td>
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<td>DIPP</td>
<td>Department of Industrial Policy and Promotion</td>
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<td>DMIC</td>
<td>Delhi–Mumbai Industrial Corridor Project</td>
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<td>DMICDC</td>
<td>Delhi Mumbai Industrial Corridor Development Corporation Limited</td>
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<td>GIPP</td>
<td>Gujarat Investment Promotion Program</td>
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<td>GOAP</td>
<td>Government of Andhra Pradesh</td>
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<td>GOGJ</td>
<td>Government of Gujarat</td>
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<tr>
<td>GOHR</td>
<td>Government of Haryana</td>
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<td>GOKA</td>
<td>Government of Karnataka</td>
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<td>GOMH</td>
<td>Government of Maharashtra</td>
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<td>GOMP</td>
<td>Government of Madhya Pradesh</td>
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<td>GORJ</td>
<td>Government of Rajasthan</td>
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<td>GOTN</td>
<td>Government of Tamil Nadu</td>
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<tr>
<td>GOUF</td>
<td>Government of Uttar Pradesh</td>
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<tr>
<td>HIDA</td>
<td>The Overseas Human Resources and Industry Development Association</td>
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<td>ICD</td>
<td>Inland Container Depot</td>
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<tr>
<td>JCCIC</td>
<td>Japan Chamber of Commerce and Industry, Chennai</td>
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<td>JEC</td>
<td>Japanese Endowed Course</td>
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<td>JETRO</td>
<td>Japan External Trade Organization</td>
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<td>JICA</td>
<td>Japan International Cooperation Agency</td>
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<td>JIM</td>
<td>Japan-India Institute for Manufacturing</td>
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<td>JITs</td>
<td>Japan Industrial Townships</td>
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<td>JWC</td>
<td>Joint Working Committee</td>
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<td>LDB</td>
<td>Logistics Data Bank</td>
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<td>METI</td>
<td>Ministry of Economy, Trade and Industry</td>
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<td>MIDC</td>
<td>Maharashtra Industrial Development Corporation</td>
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<tr>
<td>MOC</td>
<td>memorandum of cooperation</td>
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<td>MOU</td>
<td>memorandum of understanding</td>
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<td>MPCB</td>
<td>Maharashtra Pollution Control Board</td>
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<td>MPTA</td>
<td>MPTA training foundation</td>
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<td>NEDO</td>
<td>New Energy and Industrial Technology Development Organization</td>
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<td>ODA</td>
<td>Official Development Assistance</td>
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<td>OJT</td>
<td>On the Job Training</td>
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<tr>
<td>PFC</td>
<td>Project Facilitation Committee</td>
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<tr>
<td>PV</td>
<td>photovoltaic</td>
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<tr>
<td>RFID</td>
<td>radio frequency identifier</td>
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<td>RIICO</td>
<td>Rajasthan State Industrial Development and Investment Corporation</td>
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<tr>
<td>TNIPP2</td>
<td>Tamil Nadu Investment Promotion Program Phase2</td>
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</table>
Locations of JITs in Progress Report

- Ghilot Industrial Park [JETRO] Rajasthan
- Neemrana Industrial Park [JETRO] Rajasthan
- Mandal Industrial Park [JETRO] (Toyota Tsusho: Plug and Play Rental Factory) Gujarat
- Supa Industrial Park [JETRO] Maharashtra
- Tumkur Karnataka
- Jhajjar (Reliance) Haryana
- Greater Noida Uttar Pradesh
- Sri City Andhra Pradesh
- Mahindra Industrial Park Chennai (Sumitomo / Mahindra) Tamil Nadu
- OneHub Chennai Industrial Park (Ascendas / JGC / Mizuho) Tamil Nadu
- Sojitz – Motherson Industrial Park Tamil Nadu
- Pithampur Industrial Park Madhya Pradesh
- Jhajjar
- Ghilot Industrial Park
- Neemrana Industrial Park
- Mandal Industrial Park
- Supa Industrial Park
- Tumkur
- Jhajjar
- Greater Noida
- Sri City
- Mahindra Industrial Park Chennai
- OneHub Chennai Industrial Park
- Sojitz – Motherson Industrial Park
- Pithampur Industrial Park
- Jhajjar
1. Gujarat

- Mandal Industrial Park
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- Mahindra Industrial Park Chennai (Sumitomo / Mahindra) Tamil Nadu
- OneHub Chennai Industrial Park (Ascendas / JGC / Mizuho) Tamil Nadu
- Sojitz – Motherson Industrial Park Tamil Nadu
- Pithampur Industrial Park Madhya Pradesh
1. Gujarat

**Industrial Infrastructure**

- Concessional ODA loan of approx. ¥16.8B under JICA’s “Gujarat Investment Promotion Program (GIPP)” (2017 - 2019) was utilized for infrastructure development: Loan agreement in Sept. 2017, 1st disbursement of approx. ¥6.5B in March 2018.
- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility. [Coverage] Port: Mundra, Hazira, Kandla(plan), Toll Plaza(7), CFS(15)

**Human Resource Development**

- JIM (Japan-India Institute for Manufacturing) by Toyota Tsusho India Pvt. Ltd. in Mandal opened in September 2018 to train the young people in Gujarat with practical skills and disciplines required at the manufacturing sites, thereby nurturing the future shop floor leaders.

**JIM by Toyota Tsusho (in Mandal)**

- Toyota Tsusho operates in the Mandal Industrial Zone in Gujarat

* Photos by Toyota Tsusho
1. Gujarat

Promotion by JETRO

- JETRO opened Ahmedabad Office in November 2017 to accelerate the Japanese investments to Gujarat and JIT. This office is 5th JETRO office in India.
- JETRO established Business Support Center (BSC) in July 2018 at its Ahmedabad Office to support Japanese investors (short-term rental office/specialized advices). This BSC is 4th center in India (other BSCs are in New Delhi, Chennai and Mumbai).
- JETRO announced conclusion of MOUs by 10 Japanese companies at the opening ceremony of BSC.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.
- Investment advisors in JETRO support existing companies in JITs and potential investors.

Business Support Center (BSC)

- Designed as a total support center for Japanese companies planning to advance into India.
- Leases short-term office and offers consulting services by special advisers.
- Helps Japanese companies gather information efficiently, conduct Feasibility Studies for a long term business plans, and solve problems in establishing a local corporation.

*Photos by JETRO*
1. Gujarat

Promotion by JETRO

- JETRO supported the GOGJ for a business delegation in July 2017 and October 2018, arranging business seminars as well as meetings between the GOGJ and Japanese companies.
- JETRO contributed to concluding 15 MOUs for investment in Gujarat between Japanese companies and the GOGJ signed in September 2017, by introducing Japanese companies to the executives of the GOGJ.
- Facilitated by the 15 MOUs, 11 Japanese companies’ investment decisions in Gujarat were realized.
1. Gujarat

**METI – GOGJ Policy Cooperation**

- METI and the GOGJ conducted **Policy Dialogues** annually since 2015 to discuss issues to improve the business environment of Mandal and Gujarat.

- Director-General for South West Asia and Secretary of Industry, GOGJ had 4th Policy Dialogue in April 2018. GOGJ promised to give new fiscal incentive in addition to contributing the necessary land for JIM.

- METI and the GOGJ signed MOC “Japan and India Special Program for Make in India in Mandal-Becharaji -Khoraj, Gujarat” in September 2017.

**Major specific efforts of MOC “Japan and India Special Program for Make in India in Mandal-Becharaji -Khoraj, Gujarat”**

- Development of a **Hybrid Industrial Park** may be considered, in which the State Government of Gujarat will provide an area of land and Japanese companies will provide services involving management of the park.

- Part of Gujarat Investment Promotion Program (GIPP) may be utilized for development of the infrastructure.

- Development of soft infrastructure, including human resource development, mechanisms for issue resolution, and investment promotion activities will be promoted.

*photos by Embassy of India, Tokyo Japan*
1. Gujarat

**METI – GOGJ Policy Cooperation**

- METI conducted consultant research in FY 2017 for a long term vision of Mandal-Becharaji-Khoraj reflecting requests from the industries, determining the necessary areas for cooperation which include various hard and soft infrastructure developments.

- The draft of development vision for JITs which are suitable for Japanese companies in this area will be proposed to the GOGJ in 2019.

- Vice Minister of METI met with Deputy Chief Minister of Gujarat in September 2018, requesting expedited completion of expanding the width of State Highway which connects Mandal, Sanand III (Khoraj), and surrounding production sites.

**10 year vision: “One of the world’s smart industrial metropolitan areas, centered on the automobile industry”**
2. Tamil Nadu

- Mahindra Industrial Park Chennai
- OneHub Chennai Industrial Park
- Sojitz – Motherson Industrial Park
Ghilot Industrial Park
[JETRO]
Rajasthan

Neemrana Industrial Park
[JETRO]
Rajasthan

Mandal Industrial Park
[JETRO]
(Toyota Tsusho : Plug and Play Rental Factory)
Gujarat

Supa Industrial Park
[JETRO]
Maharashtra

Tumkur
Karnataka

Jhajjar
(Reliance)
Haryana

Greater Noida
Uttar Pradesh

Sri City
Andhra Pradesh

Mahindra Industrial Park Chennai
(Sumitomo / Mahindra)
Tamil Nadu

OneHub Chennai Industrial Park
(Ascendas / JGC / Mizuho)
Tamil Nadu

Sojitz – Motherson Industrial Park
Tamil Nadu
2. Tamil Nadu

Industrial Infrastructure

- JICA implemented “Project On Improvement of Chennai Port Operation” (Technical Assistance)
- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.
  
  [Coverage] Port: Chennai(plan), Ennore(plan), Tuticorin(plan), Kattupalli(plan)

The Project On Improvement of Chennai Port Operation by JICA

2nd Phase: 2017 - 2018

Challenges

- Inefficient operation of port facilities, inadequate traffic management, insufficient infrastructure
- Constant congestion of trailers, obstacles for smooth shipping of containers

Achievement

- Lead time of export containers shortened by a half to one fourth.
- Processing time at gate shortened by a half to one fourth.
- Information of congestion provided through website.
- Partnership with counterpart agencies strengthened.
## 2. Tamil Nadu

### Promotion by JETRO
- JETRO offers services in Business Support Center (BSC) Chennai at JETRO Chennai Office to support Japanese investors in Chennai, Tamil Nadu. (short-term rental office/specialized advices)

### Business Support Center (BSC)
- Designed as a total support center for Japanese companies planning to advance into India.
- Leases short-term office and offers consulting services by special advisers.
- Helps Japanese companies gather information efficiently, conduct Feasibility Studies for a long term business plans, and solve problems in establishing a local corporation.

- JETRO coordinated GOTN Delegations to Japan, headed by Minister of Industries, Tamil Nadu during February-March 2018 and in October 2018.
- JETRO introduced Japanese companies to Tamil Nadu Industrial Guidance & Export Promotion Bureau.
- JETRO supported activities as Secretariat of Japan Chamber of Commerce and Industry, Chennai (JCCIC).
- JETRO arranged meetings between the GOTN and JCCIC, in which proposals based on requests of Japanese companies are submitted from JCCIC to GOTN.
- JETRO arranged meetings with JCCIC Industrial Park Committee, Tamil Nadu Industrial Guidance & Export Promotion Bureau and SIPCOT to exchange views.
- JETRO arranged Joint Working Committee (JWC) by Consulate-General with the GOTN.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.

### Tamil Nadu Seminar in Japan
*Photo by JETRO*
2. Tamil Nadu

Promotion by JETRO

- JETRO created and distributed **Industrial Map of Greater Chennai.** ("Industrial Park and Industrial Road Distribution Map")
- JETRO created and distributed the summary report for Japanese companies. ("Information on Industrial Parks near Chennai in Tamil Nadu")
- JETRO arranged visits to the Industrial Parks for Japanese companies which are interested in setting up production sites in Tamil Nadu.
- JETRO arranged investment promotion seminar in February (Tokyo) and October (Osaka) in 2018. Minister of Industry attended both seminars.

METI – GOTN Policy Cooperation

- METI and the GOTN held discussion on JITs in Tamil Nadu, including improvement of Single Window Clearance, for future MOC.
- Director-General for South West Asia and Minister of Industry, the GOTN had meetings in February and October, 2018 and agreed to make a policy dialogue on JITs. METI also requested the support of the GOTN for solving the issues on JITs such as securing water supply.
3. Rajasthan

- Ghilot Industrial Park
- Neemrana Industrial Park
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  - Gujarat
- **Supa Industrial Park** [JETRO]
  - Maharashtra
- **Tumkur**
  - Karnataka
- **Jhajjar** (Reliance)
  - Haryana
- **Ghilot Industrial Park** [JETRO]
  - Rajasthan
- **Sri City**
  - Andhra Pradesh
- **Greater Noida**
  - Uttar Pradesh
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  - Andhra Pradesh
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  - Tamil Nadu
- **Sojitz – Motherson Industrial Park**
  - Tamil Nadu
- **Pithampur Industrial Park**
  - Madhya Pradesh
3. Rajasthan

Industrial Infrastructure

- NEDO and Japanese companies, in cooperation with DMICDC, have conducted the Demonstration Project for Microgrid System Using Photovoltaic (PV) Power Generation in India to verify provision of reliable power supply and system effectiveness in Neemrana Industrial Park, since August 2017.
- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.

[Coverage] Toll Plaza(5), ICD(1)

Demonstration for Microgrid System Using Photovoltaic (PV) Power Generation in India by NEDO and Japanese companies in cooperation with DMICDC (Neemrana, Rajasthan)

- NEDO, Hitachi, Ltd., Hitachi Systems, Ltd. and ITOCHU Corporation, in cooperation with the Delhi-Mumbai Industrial Corridor Development Corporation Ltd. (DMICDC) under the Japan-India Delhi-Mumbai Industrial Corridor (DMIC) project, are demonstrating a microgrid system designed to provide reliable power using PV power generation technology. The system has been supplying reliable power to Mikuni India Limited, a company operating in the Neemrana Industrial Park.
- The microgrid system was built using a PV power generation system combined with several diesel generators. The demonstration of the microgrid system has been carried out since FY2017 to FY2019 to verify that the system provides reliable power and curbs diesel fuel consumption.
- The aim of the demonstration is to verify the effectiveness of Japan's microgrid technology and encourage its dissemination throughout India.

3. Rajasthan

Promotion by JETRO

- **JETRO conducted MOU with RIICO for Investment Promotion in 2006.** (extended annually to 2016)
  (e.g. Kankeiren Delegation to Jaipur/Neemrana headed by Panasonic Chairman in 2015)
- **JETRO supported the Resurgent Rajasthan Investor Meet (Summit) in 2015**
  90 delegations with METI Minister at Jaipur.
- **JETRO supported the visit of Chief Minister Raje’s Delegation to Japan in 2015.**
- **JETRO and Invest India signed MOC to strengthen their investment promotional**
  activities to encourage further Japanese investments into India in May 2018.
- **Investment advisors in JETRO support existing companies in JITs and potential investors.**

Achievements of Chief Minister Raje Delegation visit to Japan in 2015

- JETRO Seminars in Tokyo (c.a. 250 investors) and Kyoto (c.a. 150 investors)
- MOC between METI and the GORJ
- Meeting with Prime Minister Mr. Abe and Minister Mr. Miyazawa
- Meeting with Mr. Ishige, Chairman of JETRO
- Major investor meetings including those with Soft Bank/Daikin/Kyocera/NIDEC
3. Rajasthan

**Human Resource Development**

- **JIM (Japan-India Institute for Manufacturing) by Daikin Airconditioning India in Neemrana** opened in 2017 to train the young people in Rajasthan with practical skills and disciplines required at the manufacturing sites, thereby nurturing the future floor leaders.

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**Daikin Japanese Institute of Manufacturing Excellence (Neemrana, Rajasthan)**

- Students learn air conditioner assembly and basic knowledge of air conditioning in the course including on-the-job training at Daikin plant.

- Aimed at promoting gender diversity in manufacturing industries, the first class is composed of only female students.
3. Rajasthan

**METI – GORJ Policy Cooperation**

- METI and the GORJ signed MOC on Public-Private Cooperative Actions towards Further Development of Rajasthan in April 2015.
- METI and the GORJ conducted the Policy Dialogue to discuss issues to improve the business environment of Rajasthan and Neemrana in September 2016.

**Contents of MOC on Public-Private Cooperative Actions towards Further Development of Rajasthan between METI and the GORJ in April 2015**

**<General Overview>**
- The GORJ will make all possible efforts for improving the business environment and accelerating infrastructure development in Rajasthan. Japan side appreciated the effort of the GORJ and expressed its intention to support it.

**<Industrial Park>**
- JETRO will support Japanese companies’ business in or around Neemrana and Ghilot industrial Parks and work hard to attract more Japanese companies to these industrial parks. The GORJ will improve the business environment of these industrial parks to meet global standards by utilizing incentives and utilities.

**<Infrastructure>**
- The GORJ will support and take utmost care of a solar power demonstration project conducted by NEDO in Neemrana industrial park by consulting with DMICDC and NEDO, in order to accelerate the implementation of the project.

**<Policy Dialogue>**
- METI and the GORJ will keep cooperative interaction to facilitate progress on projects included in this MOC and to strengthen cooperation between METI and the GORJ toward improvement of business environment.
4. Andhra Pradesh

➢ Sri City
Locations of JITs in Progress Report

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- OneHub Chennai Industrial Park
  (Ascendas / JGC / Mizuho)
  Tamil Nadu
- Sojitz – Motherson Industrial Park
  Tamil Nadu
4. Andhra Pradesh

Industrial Infrastructure

- JICA completed the Comprehensive Integrated Master Plan for Chennai-Bengaluru Industrial Corridor (CBIC), including the development plan of Krishnapatnam industrial node in 2015.

- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.
  [Coverage] Port: Krishnapatnam(plan), Vizag(plan), CFS(2)

“Comprehensive Integrated Master Plan for Chennai-Bengaluru Industrial Corridor (CBIC)”

- Krishnapatnam was designated as one of three industrial nodes in CBIC area in CBIC Comprehensive integrated master plan

Source: https://www.pwc.com/jp/ja/advisory/seminar/2015/assets/pdf/4-comprehensive-integrated-master-plan.pdf
4. Andhra Pradesh

Promotion by JETRO

- JETRO supports activities of Japan Chamber of Commerce and Industry Chennai (JCCIC) and Sri City Japanese Company Group.
- JETRO periodically exchanges views/opinions with Sri City Private Limited.
- JETRO arranges visits to Sri City Industrial Park for Japanese Companies.
- JETRO made presentation on the issues of Japanese Companies in Sri City at the Joint Working Committee (JWC) in July 2017.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.
- JETRO had Investment Promotion seminar in June 2018. CEO of APEDB attended the seminar.


- Install a fire station
- Improve the road from Chennai to Sri City and within the Sri City
- Ensure stable supply for power and speedy backup
- Simplify inspection procedures between Tamil Nadu and Andhra Pradesh
- Specify measures for reimbursement of Taxes after the implementation of GST
4. Andhra Pradesh

METI – GOAP Policy Cooperation

- METI and the GOAP signed **MOU on Industrial Development in Andhra Pradesh** in November 2014.
- METI and the GOAP signed **MOU on the development of New Capital City and Industrial Cooperation** in October 2015.

Joint Statement between METI and the GOAP on the development of New Capital City and Industrial Cooperation

Andhra Pradesh - Japan Public - Private Joint Conference in July 2017

*Photo by JETRO*
5. Maharashtra

➢ *Supa Industrial Park*
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- Pithampur Industrial Park Madhya Pradesh
5. Maharashtra

**Industrial Infrastructure**

- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.  
  [Coverage] Port: JNPT, Mumbai(plan), Toll Plaza(6), ICD(2), CFS(31)

**Promotion by JETRO**

- Business Support Center (BSC) Mumbai at JETRO Mumbai Office provides “Hands on Assistance” to Japanese companies.
- JETRO serves as FAST TRACK Consultation and Application / Approval Route and will also provide assistances in the incentive negotiations with the Government of Maharashtra (Industry), MIDC, MPCB.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.
- JETRO and MIDC arranged visit to Supa industrial Park in July 2018. 23 people from 18 companies attended the visit.
- Investment advisors in JETRO support existing companies in JITs and potential investors.

**Business Support Center Mumbai**

- Provides the information of Indian latest investment system and industrial parks including the Supa Industrial Park in Maharashtra.
- Provides advice for the establishments of companies, production sites, and various business agreements including joint ventures.
5. Maharashtra

**Human Resource Development Support**
- JETRO conducted a study on the Potential of Human Resource around Supa Industrial Park.
- JETRO organized Study Group for Japanese Manufacturers in Pune and surrounding regions. (e.g. developing manpower and QCD (Quality, Cost and Delivery) know-how)

**METI – GOMH Policy Cooperation**
- METI and the GOMH signed MOC on Public-Private Cooperative Actions Towards Further Development of Maharashtra in September 2015.
- METI and the GOMH conducted the Policy Dialogue in September 2016.

**MOC on Public-Private Cooperative Actions Towards Further Development of Maharashtra**

**<General Overview>**
- The GOMH will make all possible efforts to improve the business environment and accelerate the infrastructure development of Maharashtra. METI shared the appreciation from JETRO, JICA, HIDA (AOTS), towards the effort of the GOMH and expressed its intention to support it.

**<Investment>**
- METI and the GOMH welcomed the launch of sales of Supa Industrial Park, which is one of ‘Japan Industrial Townships’. METI and the GOMH shared the importance of industrial development in Maharashtra and welcomed the launch of ‘Project Facilitation Committee (PFC)’ by JETRO, Japanese companies and the GOMH.

**<Infrastructure>**
- The GOMH will develop infrastructure with Japan’s cooperation with a view to utilizing Japan’s public funds.

**<Human Resources Cooperation>**
- METI and the GOMH will support IT human resources cooperation between a private Japanese company and a suitable educational institute in the state of Maharashtra.

**<Policy Dialogue>**
- Both sides will keep cooperative to facilitate progress on projects included in this MOC and to strengthen cooperation between both sides toward improvement of business environment.
6. Karnataka

➢ Tumkur
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- Greater Noida
  Uttar Pradesh
- Sri City
  Andhra Pradesh
- Mahindra Industrial Park Chennai (Sumitomo / Mahindra)
  Tamil Nadu
- OneHub Chennai Industrial Park
  (Ascendas / JGC / Mizuho)
  Tamil Nadu
- Sojitz – Motherson Industrial Park
  Tamil Nadu
6. Karnataka

**Industrial Infrastructure**

- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.
  [Coverage] Port: Murmugao(plan), New Mangalore(plan)

**Promotion by JETRO**

- JETRO arranged 10 visits to Tumkur for Japanese companies (2016-).
- JETRO held Project Facilitation Committee (7 times as of October 2018) and dealt with 125 issues from 17 Japanese companies.
- JETRO held Dialogue-Monitoring Committee chaired by Chief Secretary of Karnataka State to discuss policy initiatives such as infrastructure development and new power plant establishment.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.
6. Karnataka

Human Resource Development Support

- Tata Hitachi opened JIM in Dharwad, Karnataka in December 2017, focusing on the holistic development of knowledge, skill and attitude related to construction machinery sector. The school is operated in cooperation with the MPTA(MPTA Skill Training Foundation), a vocational training institution in India.
- Toyota Technical Training Institute in Bengaluru, Karnataka was certificated as a JIM in August 2017. The school focuses on the holistic development of knowledge, skill, body and attitude related to automobile sector.

METI – GOKA Policy Cooperation

- METI arranged Technical Committee (twice in 2015) and worked out the development plan of Tumkur to become a “World Class Japanese Industrial Township”.
7. Haryana

➢ Jhajjar
Locations of JITs in Progress Report

- Ghilot Industrial Park [JETRO] Rajasthan
- Neemrana Industrial Park [JETRO] Rajasthan
- Mandal Industrial Park [JETRO] (Toyota Tsusho: Plug and Play Rental Factory) Gujarat
- Supa Industrial Park [JETRO] Maharashtra
- Tumkur Karnataka
- Jhajjar (Reliance) Haryana
- Greater Noida Uttar Pradesh
- Sri City Andhra Pradesh
- Mahindra Industrial Park Chennai (Sumitomo / Mahindra) Tamil Nadu
- OneHub Chennai Industrial Park (Ascendas / JGC / Mizuho) Tamil Nadu
- Sojitz – Motherson Industrial Park Tamil Nadu
7. Haryana

Industrial Infrastructure

- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.
  [Coverage] Toll Plaza(1), ICD(3)

- Ahresty Japan-India Institute for Manufacturing was established in Bawal, Haryana in July 2018, to train about 40 students. The students aim to acquire the basic knowledge about automobile components, processing and die casting skills through participating in OJT in the factory.

Promotion by JETRO

- JETRO hosted promotion events for Japanese Industrial Townships in Asia including Jhajjar, in 2016 (Osaka), 2017 (Tokyo), and 2018 (Kobe and Tokyo). At these events, Marubeni Corporation gave a presentation for Jhajjar to the participants from Japanese companies.

- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.

METI – GOHR Policy Cooperation

- METI conducted research in FY2016 on problems of business environment for existing companies and potential Japanese investors, mainly focusing on industrial/social infrastructure in and around Jhajjar and administrative procedures.
8. Uttar Pradesh

➢ Greater Noida
Locations of JITs in Progress Report

- Ghilot Industrial Park [JETRO]
  - Rajasthan
- Neemrana Industrial Park [JETRO]
  - Rajasthan
- Mandal Industrial Park [JETRO]
  - Rajasthan
- Supa Industrial Park [JETRO]
  - Maharashtra
- Tumkur
  - Karnataka
- Jhajjar (Reliance)
  - Haryana
- Greater Noida
  - Uttar Pradesh
- Sri City
  - Andhra Pradesh
- Mahindra Industrial Park Chennai (Sumitomo / Mahindra)
  - Tamil Nadu
- OneHub Chennai Industrial Park (Ascendas / JGC / Mizuho)
  - Tamil Nadu
- Sojitz – Motherson Industrial Park
  - Tamil Nadu

Ghilot Industrial Park [JETRO]
- Rajasthan
- Neemrana Industrial Park [JETRO]
- Rajasthan
- Mandal Industrial Park [JETRO]
- Rajasthan
- Supa Industrial Park [JETRO]
- Maharashtra
- Tumkur
- Karnataka
- Jhajjar (Reliance)
- Haryana
- Greater Noida
- Uttar Pradesh
- Sri City
- Andhra Pradesh
- Mahindra Industrial Park Chennai (Sumitomo / Mahindra)
- Tamil Nadu
- OneHub Chennai Industrial Park (Ascendas / JGC / Mizuho)
- Tamil Nadu
- Sojitz – Motherson Industrial Park
- Tamil Nadu
**Industrial Infrastructure**

- DMICDC LDB Project, which is supported by NEC, contributes to efficient logistics/supply chain by visualization of international marine container transportation using RFID tag at related port/inland facility.

  [Coverage] ICD: 5

**Promotion**

- Japan participated in Uttar Pradesh Investors’ Summit 2018 as a Partner Country, contributing to promoting Greater Noida as a site for Japanese investment destination.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.

**METI – GOUP Policy Cooperation**

- METI conducted research in 2017 on problems of business environment for potential Japanese investors, mainly focusing on industrial/social infrastructure in and around Greater Noida and administrative procedures.
9. Madhya Pradesh

- Pithampur Industrial Park
Ghilot Industrial Park
[JETRO]
Rajasthan

Neemrana Industrial Park
[JETRO]
Rajasthan

Mandal Industrial Park
[JETRO]
(Toyota Tsusho : Plug and Play Rental Factory)
Gujarat

Pithampur Industrial Park
Madhya Pradesh

Supa Industrial Park
[JETRO]
Maharashtra

Tumkur
Karnataka

Jhajjar
(Reliance)
Haryana

Greater Noida
Uttar Pradesh

Sri City
Andhra Pradesh

Mahindra Industrial Park Chennai
(Sumitomo / Mahindra)
Tamil Nadu

OneHub Chennai Industrial Park
(Ascendas / JGC / Mizuho)
Tamil Nadu

Sojitz – Motherson Industrial Park
Tamil Nadu
Promotion by JETRO

- JETRO organized a mission of potential investors to Pithampur in March 2016.
- In October 2016, JETRO arranged another mission for Invest Madhya Pradesh Global Investors Summit 2016, in which Japan participated as Partner Country.
- JETRO and Invest India signed MOC to strengthen their investment promotional activities to encourage further Japanese investments into India in May 2018.

METI – GOMP Policy Cooperation

- METI and the GOMP signed MOC “Cooperative Actions Towards Further Investment and Development of Madhya Pradesh” in October 2015.
Reference
Japan and India are cooperating in human resources / skill development in the manufacturing sector in India through collaboration between the public and private sectors of both countries in order to contribute to the “Make in India” and “Skill India”.

The Ministry of Economy, Trade and Industry, Japan and the Ministry of Skill Development and Entrepreneurship, India signed the MOC in November 2016 to facilitate the projects as follows:

- **Train 30 thousand floor shop leaders and engineers in the next 10 years.**
  1. **Japan-India Institute for Manufacturing (JIM)**
  2. **Japanese Endowed Courses (JEC)**

In addition, METI promotes human resources development including skilled persons, engineers and managers of Japanese companies by conducting human resource training in Japan and dispatching experts. (AOTS, APO)
DMICDC Logistics Data Bank (LDB) Project by NEC contributes to visualization of logistics in DMIC and other areas.

**Impact**
- **Shortening lead-time in port**
- **Improved efficiency in logistics and supply chain**
- **Efficient inventory manage, optimal production planning**
- **Better prediction of delivery**

**Operation in:**
- Western Ports (DMIC Region)
  - Mundra
  - Adani Hazira
  - JNPT

**Coverage of container traffic:** 70%

**Current services provided by LDB**
- Visualization of container location information in real-time through RFID

**Next step after 2019**
- Improvement of Logistics Solutions utilizing visualization data accumulated in LDB
  - LDB will provide End to End Container Tracking by two flows (physical and information flow)
  - Planning to start Proof of Concept in 2nd H of FY 2018 and continue it to FY 2019

**Coverage of container traffic:** 90%

**Future**
- Western ports (DMIC Region)
  - Southern ports
    - Chennai
    - Ennore
    - Kattupalli etc.
- Eastern ports
  - Haldi-Kolkata