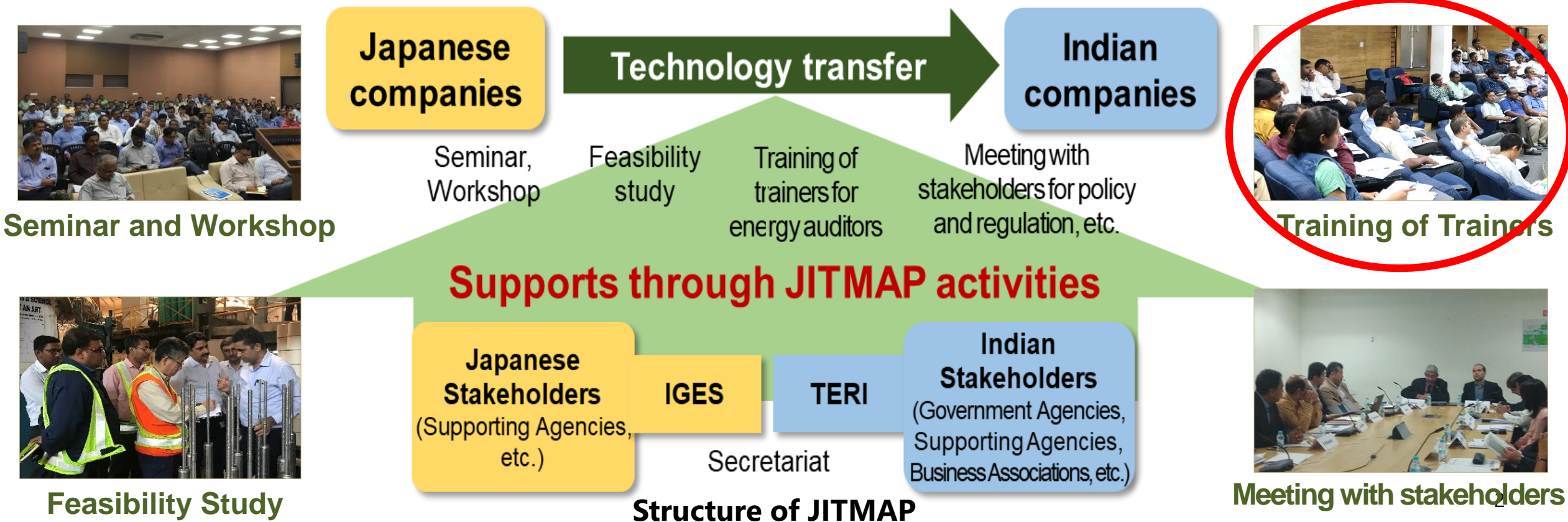


# **IGES-TERI efforts to promote environmental technologies and better operational practices in India**



# Japan-India Technology Matchmaking Platform (JITMAP)

- In order to promote low-carbon technology (LCT) transfer and diffusion in India, IGES and TERI jointly launched the **Japan-India Technology Matchmaking Platform (JITMAP)** in July 2016 with the support of the Ministry of the Environment of Japan.
- JITMAP is a multi-stakeholder platform to match Japanese manufacturers of Environmental Technologies (ETs) including LCTs with Indian companies that are looking for such technologies.



# JITMAP Activities (FY2016~FY2020)

## Seminars and workshops:

**Total: 13**

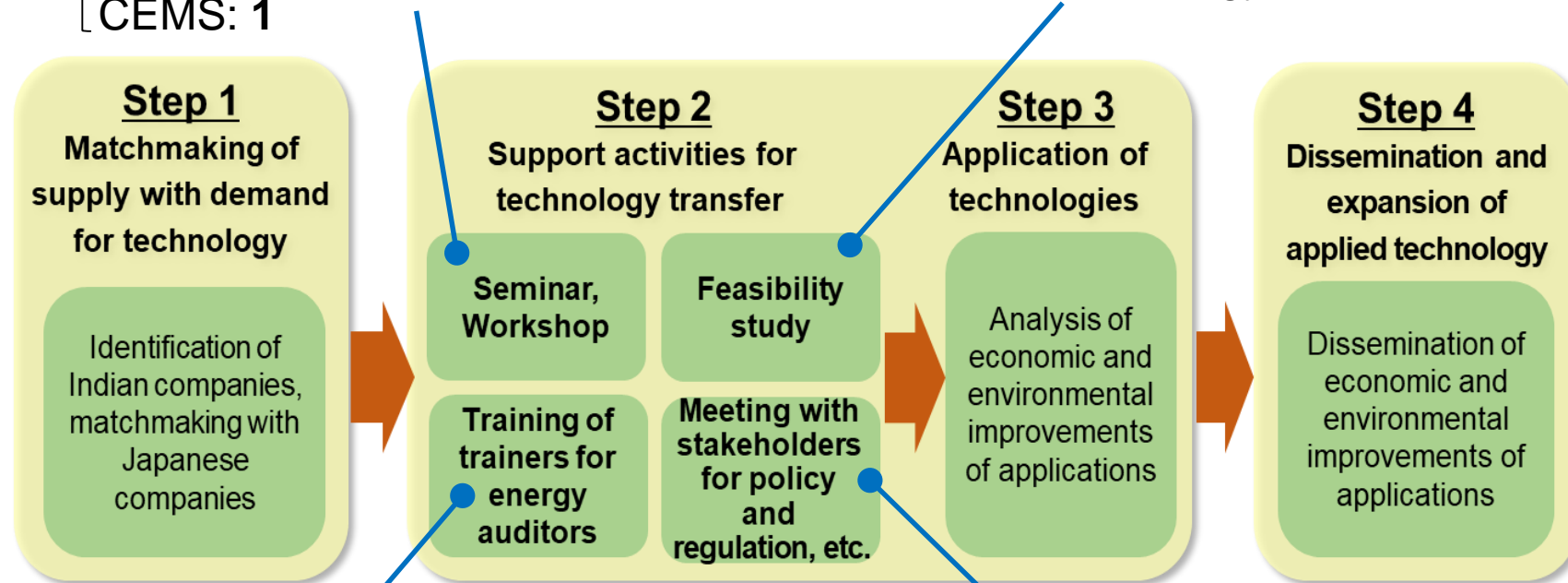
- Compressed air system: 5
- EHP/Refrigeration system: 2
- Steam management system: 4
- Energy-efficient belt: 1
- CEMS: 1



## Feasibility study (preliminary energy audit):

**Total: 54**

- Compressed air system: 21
- EHP/Refrigeration system: 13
- Steam management system: 14
- Energy-efficient belt: 6



## Training of trainers:

**Total: 5**

- Compressed air system: 5



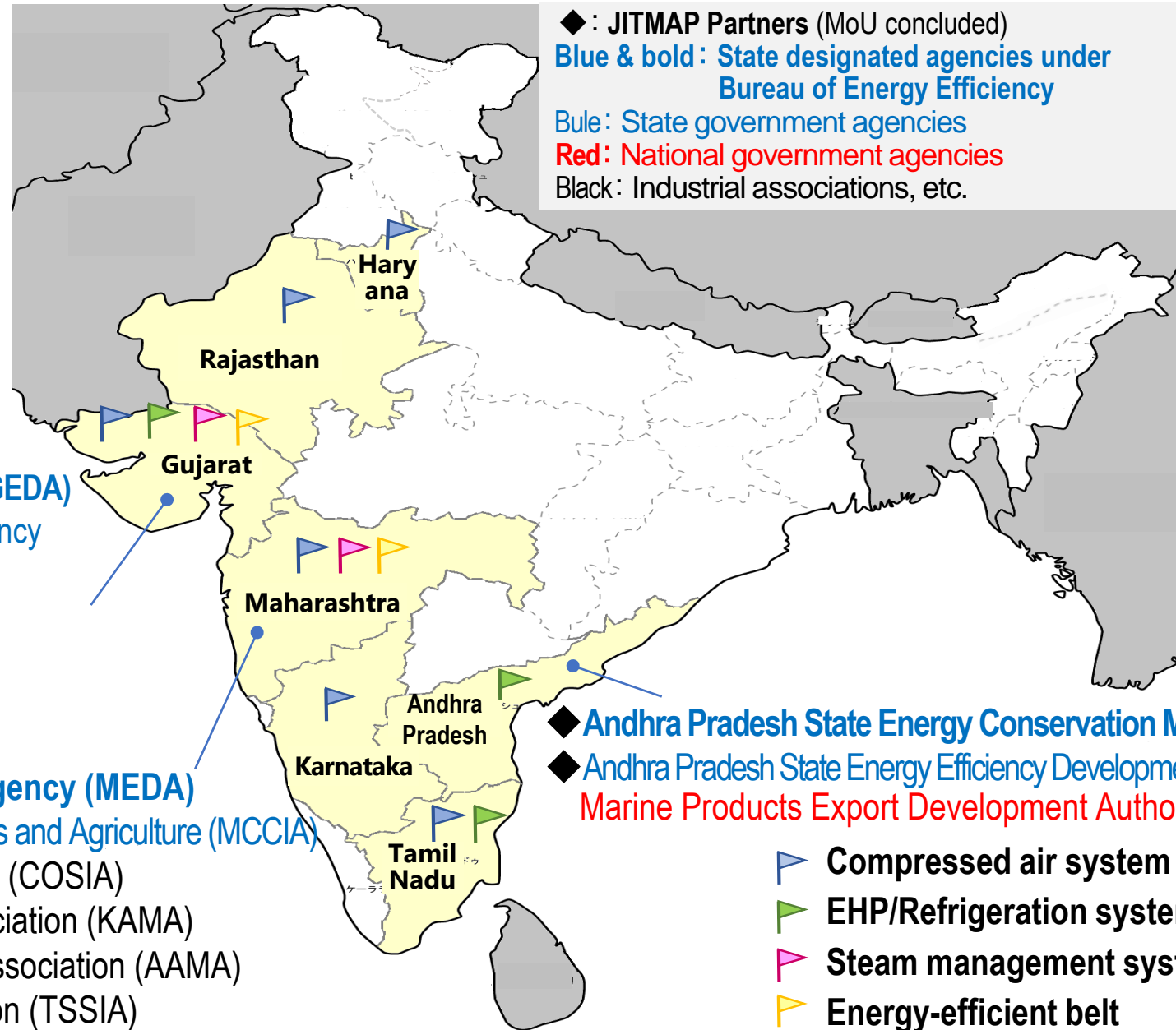
## Meeting with stakeholders:

**Total: 5**

- Compressed air system: 2
- EHP/Refrigeration system: 2
- Energy-efficient belt: 1



# JITMAP Partners & Locations of the Activities



- ◆ **Gujarat Energy Development Agency (GEDA)**
- ◆ **Gujarat Industrial and Technical Consultancy Organisation Limited (GITCO)**
- Ankleshwar Industries Association (AIA)
- Dahej Industries Association (DIA)
- Vapi Industries Association (VIA)

- ◆ **Maharashtra Energy Development Agency (MEDA)**
- ◆ **Mahratta Chamber of Commerce, Industries and Agriculture (MCCIA)**
- Chamber of Small Industry Associations (COSIA)
- Kalyan Ambernath Manufacturers Association (KAMA)
- Additional Ambernath Manufacturer's Association (AAMA)
- Thane Small Scale Industries Association (TSSIA)

- ◆ **Andhra Pradesh State Energy Conservation Mission (APSECM)**
- ◆ **Andhra Pradesh State Energy Efficiency Development Corporation (APSEEDCO)**
- Marine Products Export Development Authority (MPEDA)**

- ▶ Compressed air system**
- ▶ EHP/Refrigeration system**
- ▶ Steam management system**
- ▶ Energy-efficient belt**

## Recent case studies: Promoting Japanese LCTs

### 【Case 1】 Awareness raising of steam management system in a seminar of the state government

- Date: Feb. 2020 · Venue: Gujarat
- Activity: Introduction of **Steam Management System of TLV International, Inc.** in a seminar of the state government.
- Implementing Partners:
  - 1) **Gujarat Energy Development Agency (GEDA)**
  - 2) **National Productivity Council (NPC)**
- Participants: **About 120 BEE Certified Energy Auditors and Energy Managers.**



efficiency of steam valves and traps was explained based on the results of feasibility studies in Indian industries.

### 【Case 2】 30% energy saving by improving the operating practices

- Activity:  
**Feasibility study** (Sep.2017)  
Follow-up survey (Jan.2020)
- Location: Maharashtra
- Target industry: Automobile parts



- Recommendations on the FS by the expert of compressed air system:

- 1) To replace an outdated reciprocating air compressor with an energy-efficient inverter type.
- 2) To improve the **operating practices** such as reducing the air leakage.

- Findings in the follow-up survey:

As a result of implementing most of the recommendations, the company had **reduced the annual power consumption by about 1.8 million kWh, which is equivalent to about INR16 million.**

**Thank you for your kind attention**

