

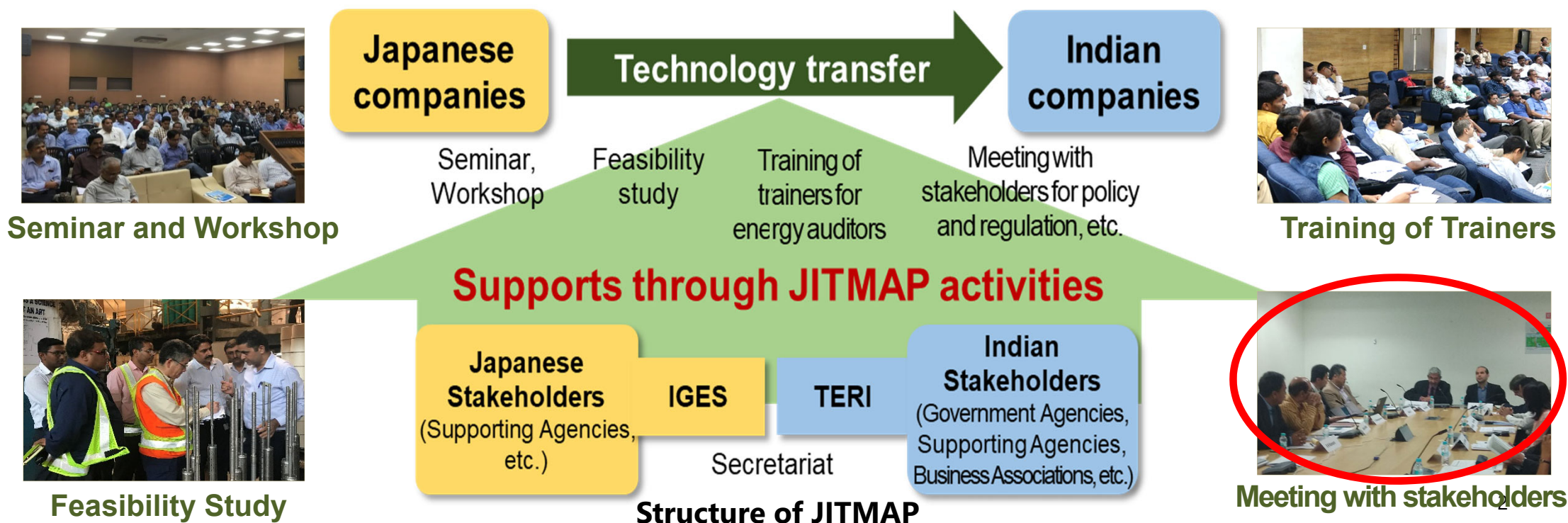


IGES-TERI efforts to promote environmental technologies and better operational practices in India



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~FY2021)

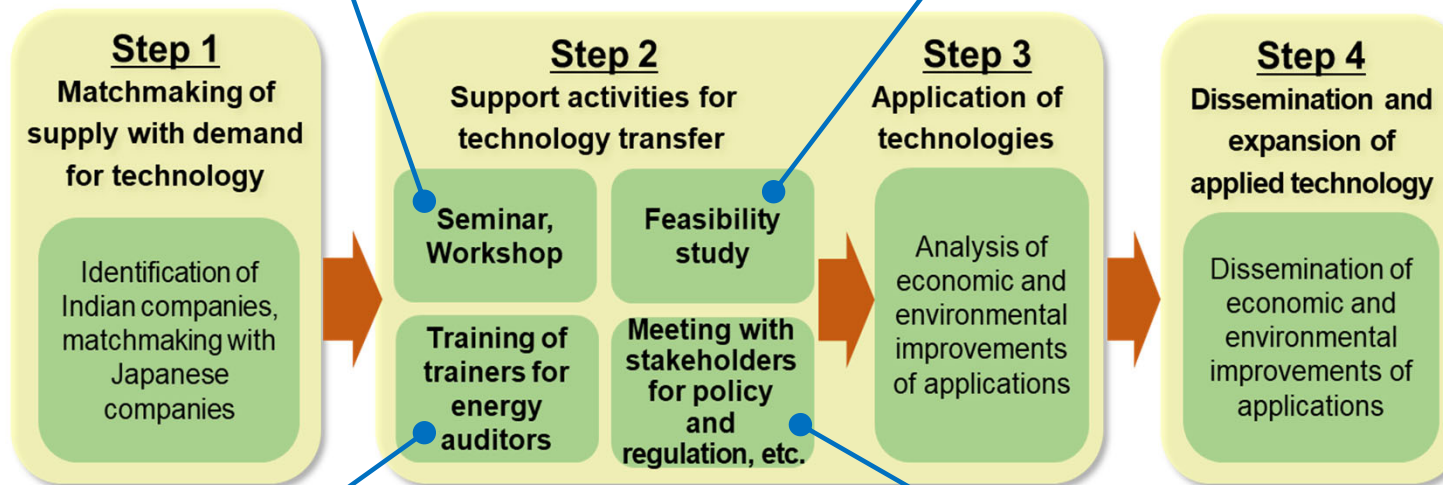
Seminars and workshops: **Total: 15**

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



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: 6**

Compressed air system: 5
Steam management system: 1

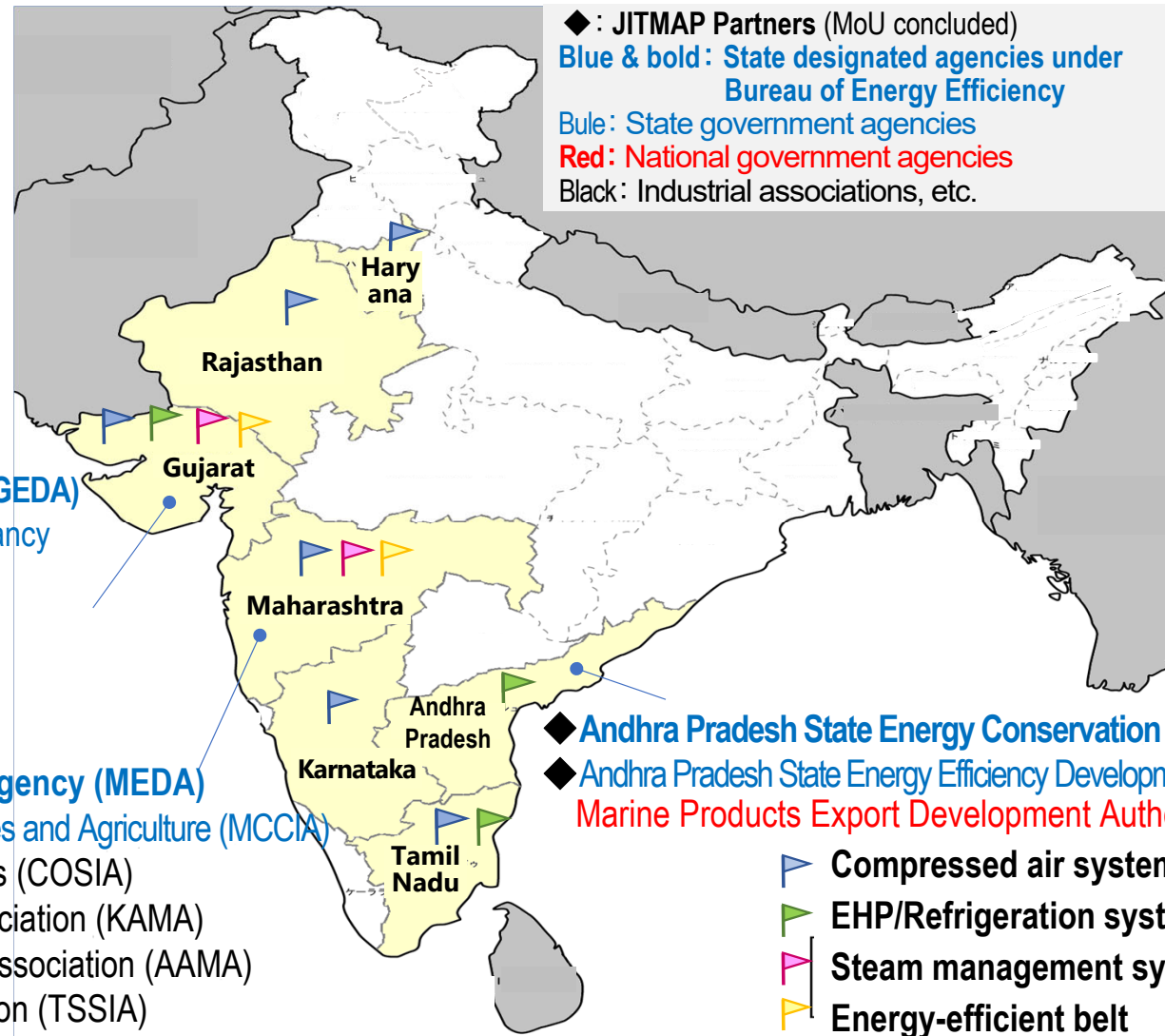


Meeting with stakeholders: **Total: 5**

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



JITMAP Partners & Locations of the Activities (FY2016~FY2019)



◆ 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)

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.**
- Outputs:

Possibility of energy saving by using energy efficient 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

