

Activities of Japanese steel industry for a Low Carbon Society

JISF's global energy saving activities

Collaborative Country & Region

China
(2005~)



India
(2011~)



ASEAN
(2014~)



3 main activities

Steel Plant
Diagnosis

Technologies
Customized
List(TCL)

Public and
Private
Meeting/
Workshop

Steel Plant Diagnosis

Objective

1. **Introduce** energy management method using **ISO14404***
2. **Demonstrate** how to use **ISO14404** by evaluating energy efficiency level of the steel plant
3. **Recommend** energy efficient technologies based on the plant diagnosis

ISO14404* is an international standard for calculation of CO2 emission and energy consumption in steelworks

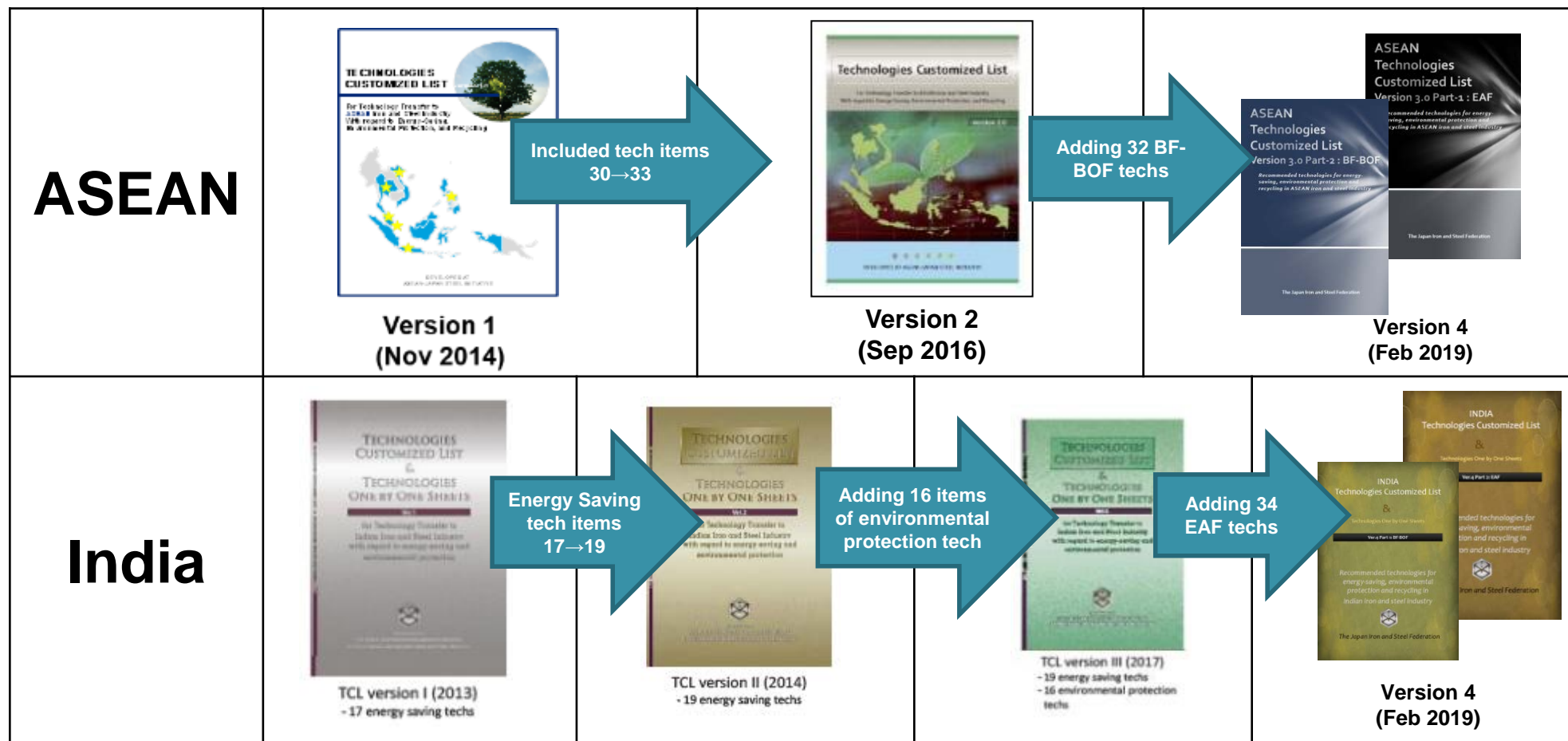
- Japanese experts conducted steel plant diagnoses in **10 steelworks** in **India** and **14 steelworks** in **ASEAN**



According to the feedback from the diagnosed plants in ASEAN in response to the follow-up survey conducted in 2018, about **80% of recommendations from the steel plant diagnosis** are **already adopted or to be adopted in the near future.**

Technologies Customized List (TCL)

TCL is a technology reference covering recommended technology for individual countries and regions. India version and ASEAN version are available now.



Please find latest TCL from bellow link

<http://www.jsf.or.jp/en/activity/climate/Technologies/index.html>

What are the advantages of Technologies Customized List?

1. The benefit of technology implementation is clearly demonstrated
 - Indicate CO₂ reduction effect and payback time for the collaborative country or region, based on country-based energy prices, plant installation cost and CO₂ emission factor
2. Technologies listed on TCL are reliable
 - Effects of the technologies are proven through Japanese steelmakers' operating experiences
3. Easy to reach out to further information when necessary
 - Include in contact detail of supplier companies which have the best available technologies



The 9th India-Japan Public and Private Collaborative Meeting on Iron and Steel Industry Mumbai, India 23 January, 2019.

India side's thanked the updating of TCL and they mentioned that they would like to diffuse it to stakeholders in India and also expect to continually have a Public and Private Collaborative Meeting.