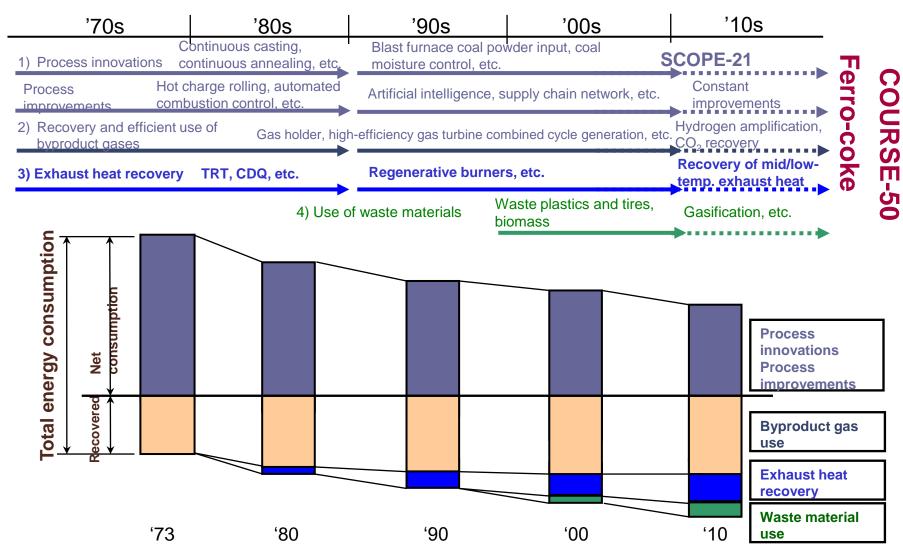
# **Overview of Technologies Customized List**

1

## March 2025 The Japan Iron and Steel Federation

# **Energy Conservation History of Japan Steel Sector**

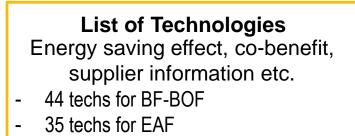
 After the oil crisis during the 1970s, the Japanese steel industry made vigorous efforts and great success to save energy and reduce CO2.



# What is Technologies Customized List (TCL)?

Summarize the several Best Available Technologies (BATs) for India steel Industry
The TCL contains information about technologies involving energy conservation and environment protection





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#### **Technologies One-by-One Sheet**

Technical information in details



included!

Please download the latest TCL from QR code

## **Technologies Customized List**

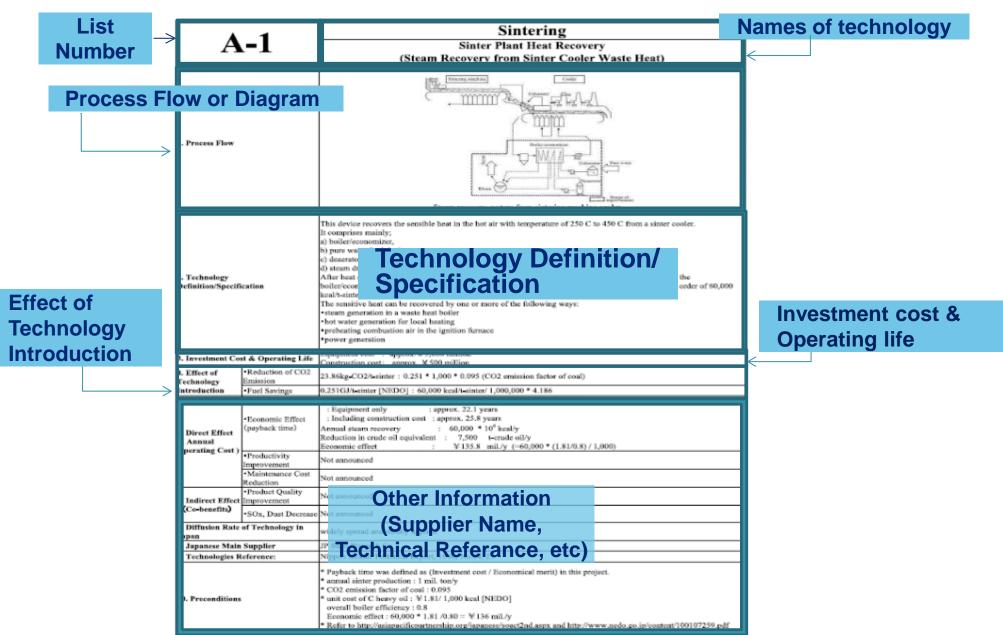
4

#### Technologies Customized List of Energy Saving Technologies for Indian Steel Industry 2023 version part-1: BF-BOF (v.5.1)

				Diffusion Rate					
No.	D. Title of Technology	Technical Description	Electricity Savings	Fuel Savings	CO2 Reduction	Estimation	Co- benefits	of Technology in 7 Major Steel	
		2	3 Juct	GJ/t of product	kg- CO2/t of product	Details	CO- benefits	4 <sup>11</sup>	
511	tering (product: sinter)						-		
A		he device recovers the sensible heat the hot air with temperature of 250C 5 450C from a sinter cooler.	-	0.25	23.86 (emission factor: coal)	-	SOx, NOx, Dust	23	
A	-	his is a waste gas sensible heat ecovery system from sinter cooler to enerate electric energy.	22.1	-	19.96	-	-	8	



## **Contents of Technologies One-by-One sheet**



## What are the advantages of the TCL?

## 1. The benefit of technology implementation is clearly demonstrated

- CO2 reduction effect and payback time are indicated for India, based on Indian energy prices, plant installation cost and CO2 emission factor
- 2. Technologies listed on the TCL are reliable
  - Effects of the technologies are proven through Japanese steelmakers' operating experiences

### 3. Easy to reach out to further information when necessary

Contact detail of supplier companies which have the best available technologies

# आपकी कृपा की आभारी हूं Thank you.

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