

# FS on energy recovery from waste management (2021)

Project name : Biomass Power Generation Project utilizing Palm Residues in the Republic of Indonesia

## 1.FS implementation company

Sumitomo Heavy Industries, Ltd. (SHI)

## 2. Country and Waste types

(Year for FS implementation)

2021-Feb, 2022

(Country)

The Republic of Indonesia

(Waste types)

Palm Residues (Mainly Empty Fruits Bunch with other residues)

## 3.Planned project outline

(Technology)

Circulating fluidized bed (CFB)

(Project description)

Indonesia aims to increase the renewable energy share in the primary energy mix to 23% by 2025 as committed in the NDC. SHI as a leading company in the field of biomass power generation, we aim to realize a biomass power generation project using palm residues in Indonesia, which will contribute to the realization of decarbonization and NDC's target in Indonesia by utilizing CFB technology.

(Project implementation formation)

- PP(Japan): Japanese Trading Company
- PP(Indonesia): Indonesian IPP company and Palm Oil Mil Company
- Technology Provider: SHI
- Local Consultant: BPPT(Badan Pengkajian dan Penerapan Teknologi)

※PP: Project Participants

(Impact of reducing environmental burden)

- GHG Reduction Amount (Expected) : 32,551/(5MW)/53,853(10MW)/tCO<sub>2</sub>eq
- Waste Volume Reduction (Expected) :100,000 ton/annual

(General picture of this project)

