

# Boiler

## Site of Intervention

- Narayangonj, Dhaka. BANGLADESH

## Type of Intervention

- Supply, Installation and Commissioning of Jute Fired Boiler for Process Heat Application

## Title of the Case Study

- ANKUR ENGINEERING SOLUTION FOR JUTE FIRED STEAM BOILER

## Objective of the Case Study

- To convert jute waste to steam for process heat application

## Summary

- Our client is one of the biggest Garments manufacturer in Bangladesh and generates a lot of fabric waste. Ankur Scientific has designed a special smoke cum water tube boiler designed as per ASME Section-1 for 3 TPH steam generation capacity

## Choosing the Intervention – Motivation

- Customized Design
- Easy to operate, handle & maintain
- Cost effective solution

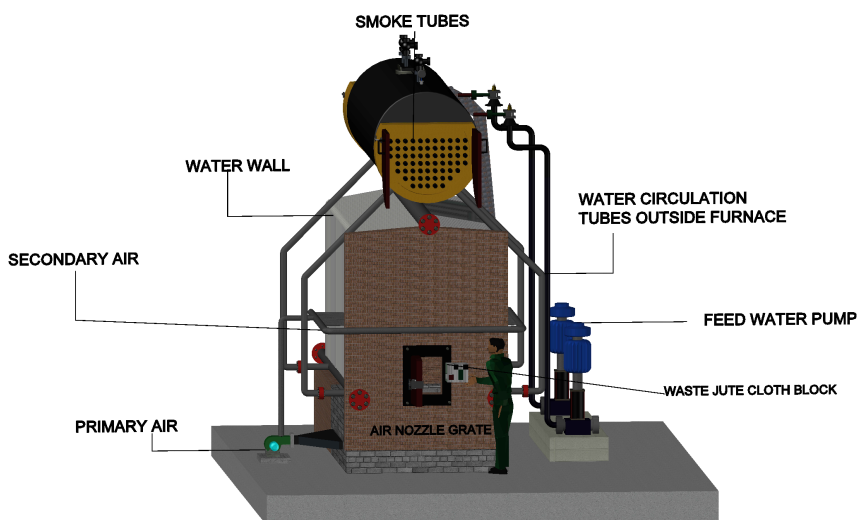
## Description of the Intervention (150 words)

- Bangladesh being the largest Garments manufacturing country generates huge amount of fabric waste, which has potential for energy generation in terms of steam or electricity by firing it in Boiler. Ankur Scientific has specially designed a boiler for this type of feedstock which has high ash content & tendency for clinker formation. The jute waste is feed in form of blocks in boiler and there is no black or white smoke in chimney.

## Intangible or Tangible Benefit (100 words)

- Novel solution for disposing fabric waste
- Wealth from waste
- Economically viable solution.

Some photographs of the project:



**JUTE FIRED BOILER**