



7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

13 CLIMATE ACTION

35,044

SAVED EMISSIONS  
TONS CO2 EQ /YEAR



# 6.5 MW cogeneration project in Akbarpur, Punjab

 India

PROJECT-ID: 1160 FZ-ID: 2135

**FOKUS  
ZUKUNFT**  


# 6.5 MW cogeneration project in Akbarpur, Punjab

## Generation of energy from biomass for the operation of a textile factory

The project activity will be implemented in Sangrur district of Punjab at the textile unit of Gillanders Arbuthnot & Co. Ltd and involves the installation of a cogeneration plant consisting of a rice husk fired AFBC boiler with a 6.5 MW multistage extraction and condensing steam turbine generator.

The 6.5 MW CHP plant is fired on the basis of agricultural biomass, i.e. rice husks and litter. The electricity generated is not fed into the local grid, but used for self-consumption by the adjacent textile plant.

The project activity creates jobs for skilled and unskilled labour to operate the power plant. The purchase of the

biomass also provides an additional source of income for the farmers.

[For more information please click here.](#)

## Overview of the project data:



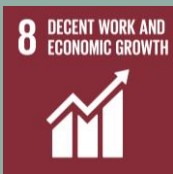
## 6.5 MW cogeneration project in Akbarpur, Punjab

The project contributes to the following sustainability goals:



### Affordable and clean energy:

Biomass combustion is an ecologically and technically safe technology. The project uses agricultural residues that would otherwise pollute the environment through dumping and uncontrolled outdoor burning.



### Decent work and economic growth:

The project has opened business opportunities for direct and indirect business for technology providers, consultants, contractors, biomass suppliers, farmers and local villagers, thus promoting economic well-being in the region.



### Industry, Innovation and Infrastructure:

The project activity involves the installation of a CHP project in a textile factory. This helps to promote this technology in the industry and improve the skills of people involved in the operation and maintenance of the plant.



### Climate action:

The use of biomass instead of carbon-intensive fossil fuels in the project activity contributes to the reduction of greenhouse gas emissions. The project thus also indirectly reduces SO<sub>x</sub> and NO<sub>x</sub> emissions associated with fossil fuel consumption for electricity generation.