# KLIMANEUTRALES PRODUKT

(/klimaneutrales-unternehmen)

EMIL DEISS KG Hamburg unterstützt folgende UN Ziele für nachhaltige Entwicklung:


## EMIL DEISS KG Hamburg

## Produkt „Müllbeutel Abfallsäcke Superhelden“

Teilnehmer-ID: DE-2292-0421
Gültig bis: 21.04.2021

Diese Urkunde garantiert, dass die ausgewiesene Menge 20515 Tonnen $CO_2$ in nach Gold Standard geprüften internationalen Klimaschutzprojekten kompensiert wurde.

EMIL DEISS KG Hamburg hat für „Müllbeutel Abfallsäcke Superhelden“ 20515 Tonnen $CO_2$ Anteile (Zertifikate) aus Klimaschutzprojekten erworben und trägt damit sichtbar zur Realisierung dieser Projekte bei. Damit wird sichergestellt, dass die eigenen $CO_2$ Emissionen für „Müllbeutel Abfallsäcke Superhelden“ kompensiert und der Anstieg der Erderwärmung gedrosselt wird.

Die Klimaschutzprojekte wurden zertifiziert und die Ausgabe und Stilllegung der Zertifikate wird transparent registriert.

EMIL DEISS KG Hamburg nimmt damit am freiwilligen Emissionshandel teil und leistet mit der Verringerung des Treibhausgases einen Beitrag für eine lebenswerte Umwelt. Der Inhaber dieses Zertifikats engagiert sich nachhaltig in den Bemühungen gegen die globale Klimaerwärmung.

Dipl.-Ing. Frank Huschka

CLIMATE EXTENDER (/klimaneutrales-unternehmen)

Gold Standard
Climate Security & Sustainable Development

# EMIL DEISS KG Hamburg unterstützt folgende Klimaschutzprojekte:

## Biomass Power Project at Godawari Power and Ispat Limited 20MW



### India

Godawari Power and Ispat Limited (GPIL) has installed a 20MW biomass based power project at Siltara, Raipur. The purpose of the project activity is to generate electricity using renewable biomass residues i.e. rice husk to reduce GHG ($CO_2$) emissions. As biomass is a $CO_2$ neutral fuel, the power produced by the GPIL from renewable biomass will have zero GHG emissions. Also as it is replacing fossil fuel intensive based power generation from Indian grid, thereby results in reducing emissions from such fossil fuels.

In the project activity, biomass shall be combusted in the boiler for producing high pressure steam to generate 20MW electricity. The total annual generation of electricity from the project activity will be 126.72 GWh. The rice husk will be collected from a

radius of 50km from projectsite. The project has obtained the requisite clearances and is commissioned on 01 November 2010.

Government of India has stipulated the following indicators for the sustainable development in the interim approval guidelines for Gold Standard projects.

**Social and Economic wellbeing**: The project would lead to generation of direct and indirect employment and improving economic condition of the area. The project activity adds income to the farmers by providing added economic value to the produce of farmers by procuring rice husk from the rice mills. This will definitely help the millers to pay better price to the farmers for their paddy crop.
Since the biomass resources are to be collected and transported to the plant site from the fields, opportunities are being generated for the rural people to collect and transport the biomass residues. The rice husk transportation to site will provide employment opportunities to a number of trucks and other similar vehicles will be making trips to project site throughout the year. This will increase the transport related income and employment. The above benefits due to the project activity ensure that the project would contribute to social and economic wellbeing in the region.

**Environmental wellbeing**: The project activity utilises biomass potential available for power generation, which otherwise is left un-utilised (left to decay or burnt). Thus it aids in the resource utilization and avoids pollution due to burning / dumping of biomass in nearby areas. Further, project activity replaces part of power generated in the grid using predominantly fossil fuels such as coal, lignite and gas. The project would not result in increase of GHG emissions and cause no negative impact on the environment.

**Technological wellbeing**: Successful implementation of this project would encourage other promoters to adopt similar technology in the relevant sector and hence the project leads to technological wellbeing.

**In view of the above, the project participants consider that the project activity strongly contributes to sustainable development in the host country.**

| Category | Standard |
|---|---|
| Carbon | Gold Standard |

# Zorlu Enerji Wind project


## Pakistan

The Zorlu 56.4 MW Wind Farm Project will contribute to local sustainable development in the project area by exerting the following effects:

**Economic development:** Pakistan is currently facing acute energy supply bottlenecks. The project activity is expected to generate an estimated amount of 159,010 MWh per year and will therefore contribute to a reduction in the number of black-outs and brown-outs experienced by other Pakistani grid users. This can help to improve the economic performance of other businesses connected to the grid and supports economic growth in Pakistan.

**Social development:** The project will offer job opportunities for local people during the construction phase and the operational period, thus creating income opportunities and contributing to a higher living standard in the region.

**Environmental development:** By avoiding air pollution from fossil-fuel power plants and reducing greenhouse gas emissions significantly, the project has positive effects for the local environment and improves Pakistan's climate balance.

**Technological development:** The project activity is the first of its kind in Pakistan. By adopting foreign manufacturer wind turbines, the project initiates an important transfer of technical know-how to Pakistan, and can act as a pioneer in promoting the spread of this technology to other wind power projects in this country.

| Category | Standard |
|---|---|
| Carbon | Gold Standard |

## Belen 30 MW Wind Power Plant Project


### Turkey

**Grid-connected electricity generation from renewable sources**

Wind Energy Project in Belen, Hatay, Turkey. Twelve turbines each with a capacity of 3MW will be erected with an estimated 97.453 MWh annual production and 60.226 tCO2e emission reduction per year. The project investor is Belen Elektrik Üretim A.Ş.

The wind farm will provide a total capacity of 30MW and will be connected to the closed national grid with approximately 2 km wiring via Antakya II transmission line, which will be installed as part of the project. The project will employ the state of the art technology and is going to install high capacity 3MW turbines instead of 1.5MW turbines that used to be installed in the earlier days of wind energy developments in Turkey. These new turbines will enable better use of the wind potential with a reduced project footprint area, minimizing the impact on the natural environment.

The major purpose of the project activity is providing electricity from renewable sources to the rapidly growing Turkish electricity market. The project is expected to generate about 81,211 MWh of electricity per year and prevent approximately 50,188 tonnes of CO2 emissions annually compared to the baseline scenario.

| Category | Standard |
|---|---|
| Carbon | Gold Standard |