



1,052,463

SAVED EMISSIONS  
TONS CO2 EQ /YEAR



# 300MW Hydropower project by JHPL

 India

PROJECT-ID: 92    FZ-ID: 2016

**FOKUS  
ZUKUNFT**  


# 300MW Hydropower project by JHPL

## Large-scale run-of-river power plant in India

The Hydropower Project is a run-of-river power plant with an installed capacity of 300 MW. The detour dam of the project is located on the Baspa River, near Kuppa in Himachal Pradesh. The powerhouse is located in the village of Karcham in the Kinnaur district. The project activity is an initiative of Jaiprakash Hydro Power Limited (JHPL), part of the Jaypee Group. Jaypee is a well known Indian business group and had an agreement with the government of Himachal Pradesh State to implement the project.

The dam is located at an altitude of 2600 m, the highest altitude attainable in India for such a structure. The aim of the project activity is to generate electricity

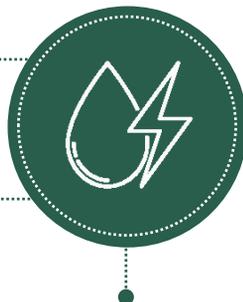
with renewable hydro power and sell it to the State Electricity Board (HPSEB) of Himachal Pradesh. With an estimated saving of over one million tons of CO<sub>2</sub> equivalents per year, it is one of the largest private sector hydropower projects in India.

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

## Overview of the project data:

**1,052,463**  
SAVED EMISSIONS  
TONS CO<sub>2</sub> EQ /YEAR

**10,524,630**  
SAVED EMISSIONS  
TONS CO<sub>2</sub> EQ TOTAL



**Bureau Veritas  
Holding SAS**  
VALIDATOR

CERTIFICATE STANDARD



## Hydropower project by JHPL

The project contributes to the following sustainability goals:



### **No poverty:**

The project activity has created direct and indirect employment for qualified and unqualified workers both during the construction phase and during the operating phase, thus contributing to controlling migration from the region and alleviating poverty.



### **Good health and well-being:**

Health care facilities in the form of a hospital, a new pharmacy, doctors and medical staff as well as free medication have been set up by the project operator in the vicinity of the project for the benefit of the people in the neighboring villages.



### **Clean water and sanitation:**

The water quality of the Baspa River is within the permissible limits according to the CPCB standard. There is no organic pollution as there are no major sources of domestic or industrial discharges in the river.



### **Affordable and clean energy:**

Approximately 1.3 million MWh of clean electricity is generated annually by the hydroelectric power plant, helping to meet India's growing energy needs.



### **Industry, innovation and infrastructure:**

The construction of the power plant project triggers an all-round increase in development activities such as housing, transportation and education, and these have a significant positive impact on the lifestyle of the population.



### **Climate action:**

The project will substitute power plants that run on fossil fuels and thus reduce CO<sub>2</sub> emissions.