

## VCS projects - Windenergy in India



### The Background

In India electricity demand has continuously outstripped production where at peak energy demand shortages prevail which causes black-outs and in some areas no electricity is supplied at all.

In order to meet this shortfall the government encourages the development of Renewable Energy Technologies (RETs). In the past couple of years, wind energy has come out as the winner and makes up 70% of the RET supply.

Currently there is an estimated 28,000 jobs created in the wind energy sector and this will grow to over 84,000 by 2020 and 113,000 by 2030.

### The Project

Thanks to our mix of wind energy projects in India, local households in remote areas of Karnataka and Gujarat now have access to stable and clean energy.

The wind farm locations are carefully selected based on high average windspeeds and our partners use the most modern wind turbine technology to guarantee that energy is generated efficiently.

The construction of wind farms provides local households with a stable supply of clean energy at a lower cost. Additionally, the infrastructure surrounding the wind farms considerably improve, which makes these areas more accessible to the outside world. The combination of access to clean energy and good infrastructure creates new opportunities for the expansion of economic activity in the region

Since an Indian household uses about 5-10% of what a Dutch household uses, it's possible to supply a lot more households with clean energy than here in The Netherlands per installed megawatt capacity. Additionally, our partners inform the local community about the effects and benefits of green energy and energy efficient behavior. They also provide "Community Care" by founding schools and setting up healthcare facilities.





## The benefits

### Environmental

- Reduces CO<sub>2</sub> emissions
- Greens the energy mix in India
- Contributes to the reduction of the deforestation

### Social

- Use of "Community care" in the educational and health sector
- Access to stable energy
- Less black outs = less stress and higher efficiency at work and school

### Economic

- Creating job opportunities
- Improved working conditions, honest payments and access to insurances
- Improving economic development through stable energy and improved infrastructure
- Building knowledge and expertise within the wind energy sector
- Building knowledge and expertise in ISO 26000 certification

## Climate Neutral Group and Windenergy in India

Climate Neutral Group invests several years in wind energy projects in India because of the efficient reduction in CO<sub>2</sub> emissions and the efficient provision of clean energy to families in isolated areas. The projects are certified according to the VCS standard which verifies the carbon credits each year.

