ClimatePartner°

# Hydro Electricity

## Mobuya Village, Indonesia

The project activity generates power from small run-of-river hydro facility supplying electricity to the connected national grid. The north of the Sulawesi island is a region of agricultural production such as rice and vegetables. It is mostly owned by local people or tribes and managed by the local government. The hydro power plant is operating by using three Francis turbines with a capacity of each 1 MW, which leads to a total amount of 21,550 MWh annually. This renewable production replaces the electricity from fossil fuel based power plants and reduces an annually amount of 11,637 t $CO_2$.

Also, the project activity contribute to many co-benefits of the region. With the supply of constant hydro-electricity, the local availability and stability of electric power is improved. New opportunities for economic activites and industries such as the food industry arise.

### Further benefits of the project

- Creation of considerable job opportunities for the local population, employment of a female plant manager
- Road and bridge construction as well as maintenance by the plant operators
- Forestation along the Poigar River banks help control erosion

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| **Validation:** | TÜV Nord Cert GmbH |
| **Crediting period:** | 2007-2016 |
| **Type:** | Voluntary Carbon Standard (VCS) |
| **Total volume:** | 116,370 t $CO_2$-equivalents |

**The mini hydro plant is located on the Poigar River bank in Mobuya Village about 130 km southwest from the main city Manado of the Sulawesi Utara Province, Indonesia.**

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