



Akkihebbal Run-of-River Hydro Project, India

Project Location: Karnataka State



The Akkihebbal project harnesses hydropower to generate clean electricity

Located in Karnataka, southern India, this small run-of-river hydropower plant generates approximately 13 GWh annually for supply into the southern Indian grid, which is predominantly powered by fossil fuels.

Project Highlights

- **Fosters small scale social and economic development** – Without the support of businesses who offset their emissions, this project would not be economically viable due to the higher costs of power generation with renewables.
- **Environmental benefits** – The project improves regional air quality.
- **Supporting communities** – The project owner assists children from very poor families as part of their community support programme, including placing physically disabled children in special schools.



Jobs are created by the project



Proven run-of-river generator technology

PROJECT DETAIL

Akkihebbal run-of-river hydro

The Akkihebbal Scheme is a small run-of-river hydropower plant, using a diversion weir across the river Hemavathy, in the southern Indian state of Karnataka. The project activity has an installed capacity of 4.5 MW (2 turbines of 2.25 MW) and generates about 13 GWh annually.

The plant is operated by a small entrepreneurial project developer who places considerable emphasis on investing in the community.

Key Social and Environmental Features:

Environmentally robust – the project is a small hydroelectric scheme with no dam. This ensures that the project does not have a detrimental impact on the area's environment. In addition, the project protects communities by diverting river flow at critical times during the monsoon floods.

Strong community benefits – the project owner sponsors three associations including the Bal Roshni project of Karnataka State Council for Child Welfare. The Bal Roshni project provides support and education to very poor physically disabled children in special schools. Each year, over 70 children receive assistance for education, physiotherapy, bus fare and any special aids they require.

Rural development – the project creates employment and commercial opportunities in an area where talented local workers would either face unemployment or would be drawn towards cities.

Good for the Planet, Good for your Business

- The project showcases how carbon credits can be used to support a small scale and local project developer in Southern India.
- The project developer is committed to supporting various schemes that help disadvantaged children in the community.
- The Akkihebbal project makes a genuine difference to the communities it works with, through employment opportunities, charitable work and local environmental protection.

Project Specification

Volume available: 20,104 tCO₂e

Assurance: TUV NORD CERT GmbH for Validation and Verification of VCS

Standard: Verified Carbon Standard

Vintage: 2010 / 2011

Visit possible: Yes



The project supports local schoolchildren