

## Solar-Powered Cold Storage in Sadali Village, India



**Project duration: 12 months**

Photo: TERI

In 2023, EKOenergy granted €33,801 to the Indian NGO The Energy and Resources Institute (TERI). This enabled them to install a solar-powered cold storage facility benefitting the members of a local farmer-producers organisation in Karnataka, India.

In rural Karnataka, India, small and marginal farmers grow horticulture crops like fruits, tomatoes, onions, and leafy greens.

The project funding enabled TERI and their local partners to install a solar-powered cold room. TERI collaborated primarily with four farmer-producers organisations in the Chikkaballapura district of Karnataka, each comprising over 1,000 small and marginal farmer members. A farmer-producers organisation is an entity composed of farmers and providing comprehensive support to small farmers, covering nearly all aspects of cultivation, from inputs and technical services to processing and marketing.

Together, they agreed to build a 5 kW solar PV system that powers a 5-metric-tonne cold room at the Sadali Horticulture Farmer-Producers campus, which is located in Sadali village, Sidlaghatta Taluk, Chikkaballapura District, Karnataka, India.

The installation now provides continuous cooling, allowing farmers to store their harvest properly. As a result, they can now wait for more favorable market conditions, leading to higher prices and increased incomes. The project also has broader environmental and sustainability impacts.

By reducing food waste, it supports more responsible consumption and production patterns. Additionally, it promotes the use of clean and sustainable energy sources, contributing to climate change mitigation.

To ensure the long-term benefits for the community, TERI conducted several training and awareness programs. These included four sessions for members of farmers producers organisations, two training sessions for local farmers, and an entrepreneurship development program across Karnataka.

This initiative aligns with several Sustainable Development Goals (SDGs): SDG 2 (Zero Hunger and Food Security) by enhancing food security through reduced post-harvest losses; SDG 7 (Affordable and Clean Energy) by providing a renewable energy solution; SDG 8 (Decent Work and Economic Growth) by improving market access and incomes for farmers; and SDG 12 (Responsible Consumption and Production) by reducing food waste and promoting efficient resource usage.

Thank you to all sellers and users of EKOenergy-labelled energy for making this project possible.

### Our Climate Fund



Focus on energy poverty and multiple Sustainable Development Goals



New projects annually in lower-income countries



Projects run and monitored by trusted NGOs



Selected through a transparent process



In 2023, EKOenergy approved grants for 20 new projects



All EKOenergy users contribute 0.10 € / MWh to the Climate Fund

# EKOenergy - the global ecolabel for renewable energy

EKOenergy is [the global ecolabel](#) for energy (electricity, gas, heat and cold). We are a non-profit initiative working to fight climate change, protect biodiversity and realise the Sustainable Development Goals.

Energy with the EKOenergy ecolabel fulfils additional [sustainability criteria](#). Through our ecolabel we also raise money for our Climate Fund, which is used to finance [new renewable energy](#) projects in developing countries.

EKOenergy's network of authorised sellers makes EKOenergy-labelled energy easily [available in over 80 countries worldwide](#). Many consumers of EKOenergy-labelled energy choose to use our ecolabel on their website or products to demonstrate their commitment to a 100% renewable and sustainable world.

EKOenergy users include large international businesses such as Microsoft, SAP, VMware, Pampers, Workday, SCHOTT and the Iliad Group, as well as cities, public organisations and individual households.



## Sustainability criteria: additional value for our planet

	EKOenergy	Other renewable energy	Grid mix
Recommended by environmental organisations	✓	?	-
Extra criteria to minimise the impact of energy production on nature. For example, hydropower installations with fish passes and wind turbines outside important bird areas	✓	?	-
Renewable energy tracked by EACs, such as GOs and I-RECs (In line with Greenhouse Gas Protocol Scope 2 Guidance)	✓	✓	-
Contributes to renewable energy projects in developing countries, advancing the realisation of multiple Sustainable Development Goals	✓	-	-
Available and recognised worldwide	✓	-	-
Supports the promotion of a transition to renewable energy worldwide	✓	-	-

## Endorsed by global standards

EKOenergy is recommended by many international environmental standards such as CDP, the Greenhouse Gas Protocol, Greenkey for hotels and LEED-certification for buildings.

*"A growing number of hotels in Europe have already switched to EKOenergy and include the EKOenergy logo in their communication with their guests. Follow their lead and go the extra mile."*

*"Ecolabels are a way for companies to do more with their purchases. EKOenergy, mentioned by the GHG Protocol Scope 2 Guidance, is such an option: it is a mark of quality which comes on top of tracking certificates."*

*"EKOenergy represents the best available option for the sustainable and additional consumption of renewable electricity within Europe."*

