

The Solar Power Project at Lukla Basic School, 2025

Empowering Students with Solar Light

Project Supported By: Luklass Association



Project Background

Lukla Basic School, one of the largest and most respected schools in the region, serves 371 students with the help of 17 dedicated teachers. Known for its quality education, the school has always strived to provide the best learning environment, but a major challenge it faced was the lack of sufficient electricity. This shortage of power made it difficult to carry out daily educational activities, both in the classrooms and in the administration office, and even affected teacher accommodations.

Classrooms, in particular, were poorly lit, making it hard for students to read, write, and fully engage in lessons. Understanding the difficulties faced by the school, the Lukla Association, in coordination with Action for Nepal, stepped in with generous support. They installed a **42-kilowatt solar panel** system at the school, providing a sustainable energy solution.

Thanks to this solar power installation, all classrooms, the computer lab, the administration office, and teacher accommodations now have reliable lighting. The project has brought a significant transformation to the school, making daily educational activities much smoother and brighter for both students and teachers.



Lukla Basic School
Solar Power Control Room



Solar Power Control Room





Solar panels placed on the school roof





Classrooms with solar powered lights



The Impact of Solar Lighting on Mingma Yangi Sherpa's Classroom

Located in Lukla, Nepal, on the foothills of Mount Everest, Lukla Basic School faced a challenges due to the lack of reliable lighting. For Mingma Yangi Sherpa, a Grade 6 student, this made learning difficult every day. But everything changed when solar lights were introduced to the school, bringing a brighter future for Mingma and her classmates.

Mingma remembers how hard it was to study without enough light. "Having enough light in the classroom is really important," she says. "Before, it was very difficult to read, write, and especially to see what the teacher was writing on the board." The small classroom board was hard to see in the dim light, which made it challenging to follow lessons.

Some of Mingma's friends also had vision problems, making it even harder for them to keep up. "For my friends who have trouble seeing, it was even worse," Mingma shares. During the monsoon season, the cold and foggy weather forced them to close the windows and doors, making the classroom even darker. "It was almost impossible to study or focus during those times," she recalls.

Everything changed when solar lights were installed in the school. Now, Mingma and her friends have enough light to see clearly and learn with ease.

"Now, with the new solar lights, it's different," Mingma says with a bright smile. "We have enough light in the classroom, and it has made everything much easier."



Mingma Yangi Sherpa

The solar lights have made it much easier for everyone to see the board, follow lessons, and engage with their studies.

"We feel more motivated to study now," Mingma adds. "We can read and write without struggling, and we can clearly see what the teacher writes on the board."

The whole classroom now feels brighter and more welcoming.


Mingma and her classmates are deeply grateful for the solar lights. "We want to thank Luklass for their generous support and Action for Nepal for making this solar light project possible at our school," Mingma says, filled with gratitude.

The solar lights have not only brightened their classroom but also their hopes and dreams. Now, instead of struggling in the dark, Mingma and her friends can focus on their studies and look forward to a brighter future.





Swarnim Marga 61, Sundar Tole,
Boudha 6, Kathmandu Nepal
actionnepal@gmail.com
+977 01 4915979

  /Action for Nepal
  @actionfornepal
Read more about our work at
www.actinfornepal.org



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