Project Report and Impact Summary

Project "Casa sotto la roccia"

January/Feburary 2026

1. Introduction and Objectives of the Proposal

SEED of LIGHT is a non-profit association founded in July 2025 with the mission of promoting humanitarian and sustainable development projects in vulnerable communities worldwide. The association focuses on environmentally sustainable initiatives implemented in close collaboration with local populations and based on their expressed needs. This report presents the implementation and impact of the project "Casa sotto la Roccia" (House Under the Rock), a small-scale solar electrification initiative carried out in early 2026 in the Makalu Valley, Nepal.

2. Project Background

The project "Casa sotto la Roccia" was created to provide electricity to a single house located in the Sankhuwasabha District of eastern Nepal, within the Makalu Valley region. The house is situated along the mountain trail that connects the villages of Chasuwatar and Pawakhola.

At the beginning of 2025, through the project Light for Makalu Valley, a hydropower plant was built to provide electricity to Chasuwatar and seven other nearby villages. Later, at the beginning of 2026, a similar but smaller project (the first project of the association SEED of LIGHT) brought electricity to the village of Pawakhola. However, due to its very remote position, this house could not be connected to either of the two electrification systems.

The house is inhabited by a couple who live independently, without access to electricity or lighting. This situation strongly limited their evening activities and prevented them from charging mobile phones or using basic electrical devices. At the beginning of January 2026, during a visit for the inauguration of the Pawakhola project, our team passed by the house. The homeowners approached us and asked whether it would be possible to provide electricity to their home as well.

After evaluating the technical conditions and considering the limited energy needs of the household, SEED of LIGHT decided to install a small solar panel system to provide electricity and lighting. Although the intervention targeted only one house, its meaning goes beyond the immediate beneficiaries. The project ensured that no residence within the area of our activities remained without access to basic energy services. Providing electricity to this isolated home improves living conditions, increases safety, and strengthens its connection with the surrounding electrified communities.

Figure 1: Casa sotto la roccia, located between Chasuwatar and Pawakhola.

3. Technical Description and Costs

Due to the remote location of the house and the impossibility of connecting it to the existing hydropower networks, an autonomous solar system was selected as the most appropriate solution. The installation included two 40 W solar sets, a battery, internal wiring, lamps, and electrical sockets. The system was designed to provide basic electricity for lighting and for charging small devices, such as mobile phones.

The project was implemented by the Hydro Steel Company in coordination with engineer Bahadur Sing Limbu. The company managed the procurement of materials, transportation to the road head, and the installation of the system.

The total project cost amounted to 80,230 NPR, corresponding to CHF 442.74. [1]

[1]Currency conversion from Nepalese Rupees (NPR) to United States Dollars (USD) and Swiss Francs (CHF) was performed using the market exchange rates as of February 3, 2026. The rates applied were: 1 dollar = 143,27 NPR and 1 CHF = 181.21 NPR

Table 1: Budget overview for “Casa sotto la Roccia”

Description	**Quantity**	**Cost (NPR)**
40 W Solar Set	2	47,000
Installation Charge	2	14,000
Transportation (Road Head)	1	10,000
VAT (13%)		9,230
Total		**80,230**

Figure 2: Engineer Bahadur Sing Limbu overseeing the installation of the 40 W solar system at the project site.

4. Conclusion

The “Casa sotto la Roccia” project provided electricity to a single isolated household in the Sankhuwasabha District of eastern Nepal through the installation of a small solar system. With a total cost of CHF 442.74, the intervention ensured access to lighting and small electrical appliances for two residents who previously lived without electricity. The installation allows the household to use indoor lighting after sunset and to charge mobile phones and small devices, improving safety, comfort, and daily activities. Although the project served only one household, the improvement in daily living conditions is substantial.

Contacts

- **Association:** SEED of LIGHT
- **Email:** info@seedoflight.ch
- **Telephone:** +41 76 466 74 33
- **Website:** `www.seedoflight.ch`