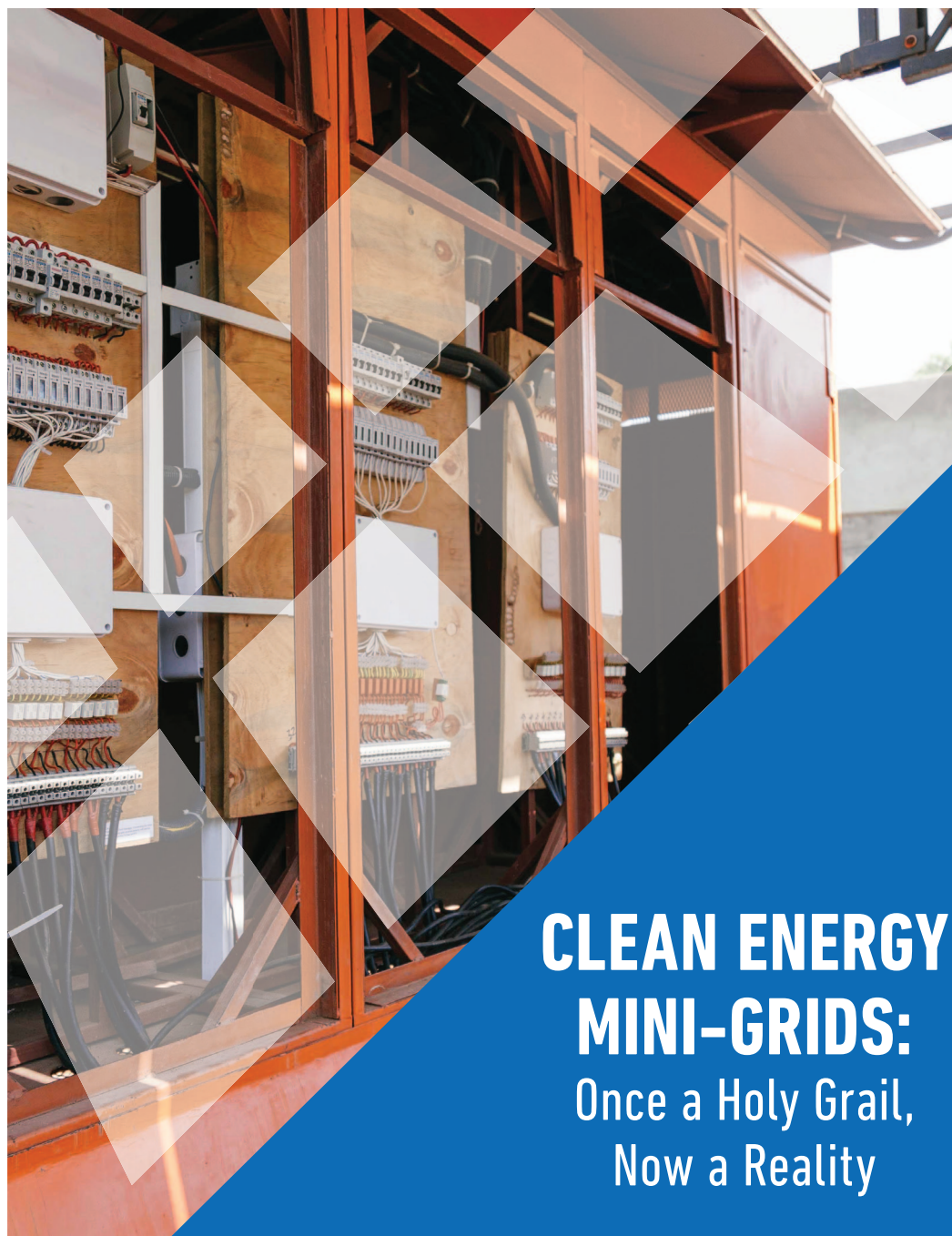




# SREP

SCALING UP RENEWABLE  
ENERGY IN LOW INCOME  
COUNTRIES PROGRAM

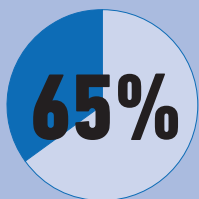


## CLEAN ENERGY MINI-GRIDS: Once a Holy Grail, Now a Reality

Photo credit: Peter Ndung'u/World Bank



# NEPAL



of households have access to electricity and per capita electricity consumption is one of the lowest in the world.

## \$11.8M

SREP program channeled through the Asian Development Bank, supports the scale-up of electricity access through renewable energy-based mini-grids systems as well as ensure sustainability through capacity development.

## ABOUT 1,500 HOUSEHOLDS

OR **6,600 PEOPLE**, ARE ALREADY BENEFITING FROM INSTALLATION OF LIGHTING AND MOBILE RADIO CHARGING SYSTEM, DISPLACING DIESEL AND GASOLINE USE IN GENERATOR SETS AND KEROSENE FOR LIGHTING.



Photo credit: Asian Development Bank



## JOHN AKWA

A METAL FABRICATOR IN THE REMOTE TOWN OF ENTASOPIA, CAN MEET CUSTOMER DEMAND FOR HIS SERVICES BECAUSE HE HAS ACCESS TO POWER FROM A MINI-GRID.



Photo credit: Peter Ndung'u/World Bank

## KENYA



# 77%

of the people Kenya do not have electricity connections.



# OVER 85%

of the population rely on traditional fuels such as wood, charcoal, dung, and agricultural residues for cooking and heating.

A SREP grant of **US\$7.5 million** (fully blended with the World Bank's IDA fund) will provide a performance-based grant for off-grid hybrid mini-grid investments where connection to the national grid is economically not viable in the short and medium term. The SERP funding will be used to defray some of the cost of renewable energy generation through the hybrid mini-grid system and to cover supply and installation of the renewable generation facilities. This effort contributes to Kenya's Vision 2030 and the government's commitment to expediting the uptake of renewable energy resources.

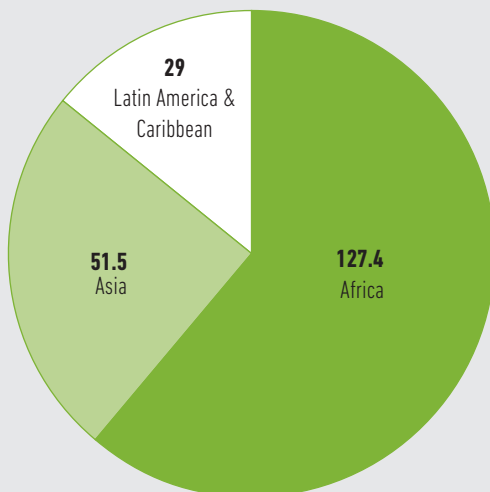
# SREP MINI-GRIDS FAQs



## FINANCING?

SREP, along with multilateral development banks, is financing initial efforts to scale-up mini-grids in 14 countries. To date, more than \$140 million has been allocated for these mini-grid programs.

US\$ MILLION



## WHERE?

Mini-grids hold great promise for electrifying remote areas, particularly in regions such as Sub-Saharan Africa and Asia.



## WHAT?

Localized electricity networks—typically harnessing energy from available solar, wind, hydro, and biomass—could hasten connectivity for millions of people.



## WHY?

Innovations and declining costs have made mini-grids a viable option for energy access in areas that would otherwise be waiting years for grid connection.