

“ PRIVATE INVESTMENT IS CRITICAL. WE ARE WORKING ACTIVELY WITH GLOBAL CEOs AND INVESTORS TO EXPAND ENERGY ACCESS, IMPROVE EFFICIENCY AND RAMP-UP RENEWABLES. OUR INITIATIVE WILL ACTIVELY WORK WITH THE PRIVATE SECTOR TO GENERATE A CLEAN ENERGY REVOLUTION. ”

UNITED NATIONS SECRETARY-GENERAL
BAN KI-MOON



P R O J E C T

PARTNERSHIPS FOR
A RESILIENT ENERGY FUTURE



UN PHOTO/KIBAE PARK ©

628 MILLION PEOPLE

IN THE ASIA-PACIFIC REGION

DO NOT HAVE ACCESS

TO ELECTRICITY

WIDENING ACCESS TO ENERGY SERVICES

THROUGH

PRO-POOR PUBLIC-PRIVATE PARTNERSHIP (5P)

The 5P approach is a flagship business model developed by UN ESCAP which works to **establish energy utilities through public and private sector investment**. The current pilot projects are looking to utilize locally available renewable energy resources through solar mini-grid and micro-hydro technologies in order to provide energy services to rural communities in Nepal and Lao PDR.

BACKGROUND

Across the Asia-Pacific region, more than 628 million people lack access to electricity services. This has greatly impeded poverty reduction efforts and has entailed enormous indirect socio-economic costs, especially in rural areas. In many countries, provision of energy services is often constrained by poor energy infrastructure owing to limited financial resources and government investment.

Engaging the private sector to provide energy services in rural areas through Public-Private-Partnerships (PPPs) is seen as a strategic option to meet this challenge.

The current 5P initiative aims to leverage the strengths of governments, the technical and financial advantages of the private sector, and the socio-economic development interests of communities.

PROJECT OBJECTIVES

The 5P pilot project has the following objectives:

- 1.** Improve access to modern energy services for rural communities, especially women and other rural poor, through the development and implementation of the 5P approach to increase productive energy use for income generating activities.
- 2.** Enhance policy-makers' awareness and capacity to develop policy options at all levels – local, district/provincial and central governments for integrating energy and rural development policies and programmes based on the 5P model.
- 3.** Create an environment conducive to the private sector / entrepreneurial investment while also incorporating community involvement.
- 4.** Increase the use of locally available renewable resources to deliver sustainable energy systems that promote rural community development and help governments meet their energy access goals.



CASE STUDY

“COMMUNITY MOBILIZATION IN THE CINTA MEKAR PROJECT HAS BEEN THE KEY FACTOR IN ENABLING THE POWER PLANT TO BE OPERATED AND MAINTAINED ON A SUSTAINABLE BASIS FOR MORE THAN 10 YEARS.”

MR. RAE KWON CHUNG

DIRECTOR, ENVIRONMENT AND DEVELOPMENT DIVISION, UN ESCAP



The foundation for the 5P model was built from ESCAP's previously implemented flagship project in Cinta Mekar, Indonesia, which successfully established a micro-hydropower plant jointly owned by the community and a private sector organization. The project has been sustainably operating since 2004.

The 5P approach, which allowed the community to act as both a consumer and co-owner of the power utility, created community empowerment by allowing the people of Cinta Mekar to manage the income generated from the micro-utility for community development. Specifically, income generated from the community's revenue share allowed the community to utilize the financial returns for entrepreneurial activities. One example of this can be seen through the community's purchase of a solar drying unit which has led rural women to increase their output of banana flower, resulting in increased income generation.

Overall, the project has been seen to help empower the community of Cinta Mekar, given its focus on poverty reduction by providing sustained source of income to the community through enhanced energy access.

MR. HONGPENG LIU

CHIEF, ENERGY SECURITY AND WATER RESOURCES SECTION
ENVIRONMENT AND DEVELOPMENT DIVISION, UN ESCAP

HOW IT WORKS

UN ESCAP

Grant funding
& policy oversight



GOVERNMENT

- Government grant
purchases utility
shares on the
community's behalf
- Policy support



COMMUNITY MOBILIZER/NGO

Ensure community interests and collaborate with the private sector

ELECTRIC UTILITY COMPANY ESTABLISHED

PRIVATE SECTOR

Equity investment
Services provisions



COMMUNITY

In-kind contribution
Community employment





IMPLEMENTING PARTNERS



Alternative Energy
Promotion Centre (AEPC)



Institute of Renewable
Energy Promotion

FUNDING AGENCIES



United Nations
Development Account



Investing in rural people
International Fund
for Agricultural Development

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_4790

