

# Islamic Republic of Afghanistan

Ministry of Rural Rehabilitation and Development (MRRD)

National Area Based Development Program (NABDP)

## WORKING TOWARDS UNIVERSAL ACCESS TO MODERN ENERGY SERVICES:

POLICY DIALOGUE ON  
ENERGY FOR SUSTAINABLE DEVELOPMENT IN ASIA AND THE PACIFIC



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# Afghanistan: General

- Area: 652,230 km<sup>2</sup>
- Population: 30 mil.
- Provinces: 34
- Landlocked:- bordering Iran, Pakistan, China, Turkmenistan, Tajikistan and Uzbekistan.
- Economy: Agriculture, service.



# Energy Access Situation

- Only 41% of the total population has access to electricity.
- 10% of rural population (with 70% Population) have access to electricity while only 35-40% of urban population has access to electricity.
- Highly dependent upon imported power and fuel. 73% of the total electricity is imported from neighboring countries:
  - ▣ Uzbekistan 57%; Iran 22%; Turkmenistan 17%; Tajikistan 4%
- Internal installed capacity of hydro and thermal power plants is 430MW
- Approximately 33 MW capacity for rural community is installed by MRRD (NSP & ERDA)
- Thermal and cooking needs are fulfilled by traditional solid fuels, inefficient cooking technology causing severe health problem deforestation and death of about 54,000 people/year

# Enhancing Access to Modern energy in Afghanistan

For a better life condition, socio-economic development and mitigation of conflict, Afghanistan is seriously focused on access to modern energy. On 2103 SE4II is signed by government of Afghanistan.

- Considering the existing potential of hydro power (25,000MW), solar (600,000MW) and wind (100,000MW) and opportunities to develop coal and gas fired plant, MEW is prepared a master plan to address the energy demand of Afghanistan, MEW is still working on this master plan.
- Government of Afghanistan has prepared and prioritized separate NPP (NESP and ERDA) for urban and rural areas to be implemented for enhancing modern energy access.
- Bringing new technology combined with innovations could enhance efficiency of cooking energy (Improved cook stoves, solar thermal applications, energy efficiency measures), to enhance access to clean thermal energy in rural as well as urban area.
- MRRD together with MEW has drafted Rural Renewable Energy Policy to address and formulate favorable environment for enhancing modern energy access to the rural areas through modern energy services.

# Future targets towards access to modern energy

- NESP: Target for 2015
  - Hydro generation:- 60 MW
  - Additional Import :- 440 MW
  - Additional Connection:- 300,000 HHs
  - Transmission Line:- 600 HHs
- NPP- 1, ARD Cluster Sub-component ERDA (Rural Area) for next 3 years
  - Mini and Micro Hydro 8.5 MW, 45,000 SHS, 2,000 Biogas and 20,000 Improved Cooking Stoves.
  - Capacity development support for 2000 people for operation and management, rural energy service center establishment.
  - Operationalize rural energy policy to enhance modern energy access.

# Opportunities

- Huge potential on hydro and solar electric generation, petroleum, coal (73M tones), gas(5Tcubic ft) and other mineral resources.
- Afghanistan is in transit route for electricity, oil and gas transportation from Central Asia to other countries.
- flexible opportunities for investment by Foreign on

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\\_5864](https://www.yunbaogao.cn/report/index/report?reportId=5_5864)

