



Sustainable Energy For All (SE4ALL)

SE4ALL is the global initiative of United Nations, which is underpinned by its three main goals: universal access to energy, doubling the rate of energy efficiency and conservation and doubling the share of renewable energy in the overall energy mix. Pakistan has become one of the 120 countries that have pledged to fulfill these goals by 2030, by addressing the nexus between energy and health, women, food, water and other development issues are at the core of every country's development agenda.

SE4All goals are aligned with Pakistan Vision 2025 and Power Policy of 2015. Planning Commission of Pakistan has mandated at national level to develop the National Action Plan and Investment Prospectus for investment in which UNDP will play the facilitation role. For the purpose, the following steps were undertaken;

- Preparation of country situation paper for Pakistan

QUICK FACTS

Duration: 2014- Present

Implementing partners: Planning Commission, Government of Pakistan

Funding partner: UNDP

Annual Budget (2019): 10,400 USD

Location: Nationwide

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- Policy review for SE4all
- Stakeholder mapping
- Policy Gap Matrix development
- Rapid assessment and Gap analysis report

These reports in turn helped in drafting an effective National Action Plan in pursuit of achieving the three aforementioned SE4all goals.

Some of the 'Priority Action Areas' identified for National Plan are:

Universal Energy Access:

- ✓ Launching of a nationwide program for the provision of clean cookstoves through public-private partnership
- ✓ Pakistan's Integrated Energy Model development for comprehensive planning and evidence-based policy-making in the energy sector will play an instrumental role.
- ✓ To ensure energy access – the circular debt will be eliminated through the privatization of energy sector for better governance and service delivery – DISCOs ought to be privatized at the priority.
- ✓ The power market will be reformed from single buyer model to competitive power markets and evolving a fully functional market operator.
- ✓ NTDC will implement a comprehensive energy evacuation plan for anticipated increase in overall energy supply.
- ✓ Financial mechanisms such as microfinance, consumer finance, concessionary and soft loans will be promoted for distributed solar systems and energy efficiency retrofits.

Renewable Energy & Energy Efficiency and Conservation

- ✓ Strengthening National Energy Efficiency Conservation Authority and its role to provide effective conservation and efficient use of energy in all sectors of the economy.
- ✓ For industrial units and public buildings' energy audits will be made mandatory, and industry-academia partnership based mechanism will be devised and promoted.

- ✓ National level campaigns will be launched for awareness of renewable energy and energy efficiency and conservation.
- ✓ At Universities, Colleges and poly-technique institutes courses and the programs will be designed for renewable energy technologies and energy efficiency and conservation mechanism.
- ✓ The capacity building and trainings programs will be designed for Federal and Provincial government officers and staff in collaboration with international organizations to equip with sophisticated financial and legal contractual preparation, energy modeling and planning specifically under Public Private Partnership (PPP) mode.

For Integrated Energy Planning, in-house capacity of the Planning Commission's Energy Wing, line Ministries, and Provincial Energy departments will be developed.

Sector wise approach will be developed where industry, transport and domestic sector will be addressed for energy efficiency and conservation.

To further promote the solar energy solutions – mechanism such as reverse auction and net-metering will be strengthened.

Objectives

The SE4All has three main targets which are:

- 1) Universal energy access,
- 2) Doubling the share of renewable energy,
- 3) Doubling the rate of energy efficiency.

Expected results

- Preparation and approval of National Action Plan
- Development and approval Investment prospectus
- Both approvals will be from National Economic Council which is chaired by Prime Minister of Pakistan.

Main Achievements

The Alternate Energy Development Board (AEDB) efforts has contributed over 1200 MW of renewable energy in national grid. AEDB has been assigned a target to deploy minimum 9,700 MW in the national grid by 2030 and electrify 7,322 villages. It is expected that renewable energy will rise approximately 15% in the energy mix by 2030. AEDB has successfully attracted local and international companies to invest in renewable energy projects. These initiatives are commendable, and they are highly praised in the World Bank report (RISE, 2016).¹ Additionally, AEDB has proposed NEPRA regulation on "Net-Metering" which already has created the market for solar housing system, where any household with solar system installed and meeting basic criteria can sell excess electricity to the national grid. The National Action Plan and Investment Prospectus have been developed and are currently under review by Planning Commission.

What's next?

The National Action Plan and Investment prospectus will be approved and implemented over the country to facilitate the middle and low-income brackets by giving them viable energy option and ensuring equitable energy access.