

# SDG 7: Affordable and Clean Energy

# Why Clean Energy?

- Between 2000-2016, the number of people with electricity increased from **78 to 87%**. But numbers without electricity dipped **below 1 billion** (have no electricity)
- With population increase there is **demand for cheap energy and dependence on fossil fuels** (non-renewables) is creating problems like climate change
- Investment in **solar, wind and thermal** is very important to achieve SDG 7
- Expanding **infrastructure and upgrading technology** for clean energy and efficient energy for all will improve the growth and environment of the country

## Facts and Figures (UNDP, 2020)

- 1 in 7 still lack electricity and most of them live in developing world
- 60% of the GHG emissions come from energy leading to climate change
- Energy efficient standards will reduce building and electricity consumption by 14%
- More than 40% (3 billion) still depend on polluting and unhealthy fuels for cooking
- By 2015, more than 20% power was generated through renewable resources
- 10.3 million people are employed in the renewable energy sector

# Targets

- By 2030, ensure **universal access to affordable, reliable and modern energy services**
- By 2030, **increase substantially the share of renewable energy in the global energy mix**
- By 2030, **double the global rate of improvement in energy efficiency**

# Targets

- By 2030, enhance **international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency** and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology
- By 2030, **expand infrastructure and upgrade technology for supplying modern and sustainable energy services** for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programmes of support