

Azadi Ka Amrit Mahotsav

National Conference on Localisation of SDGs

Clean and Green Villages

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Sustainable Development Goals by 2030



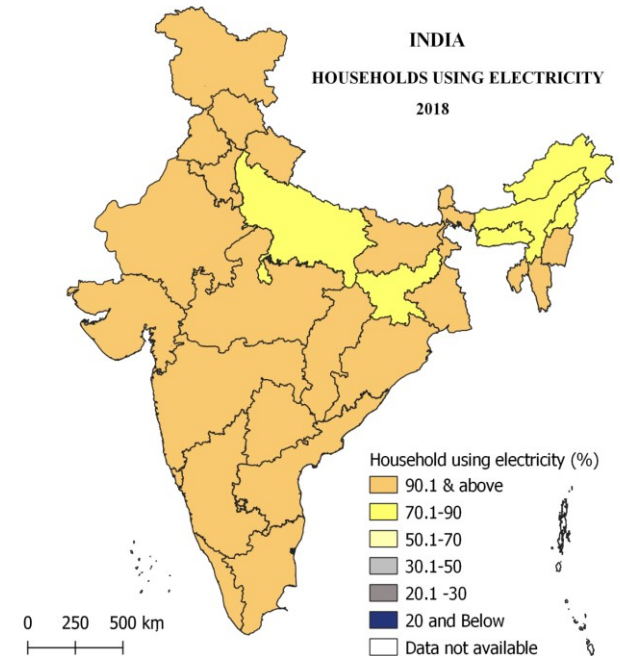
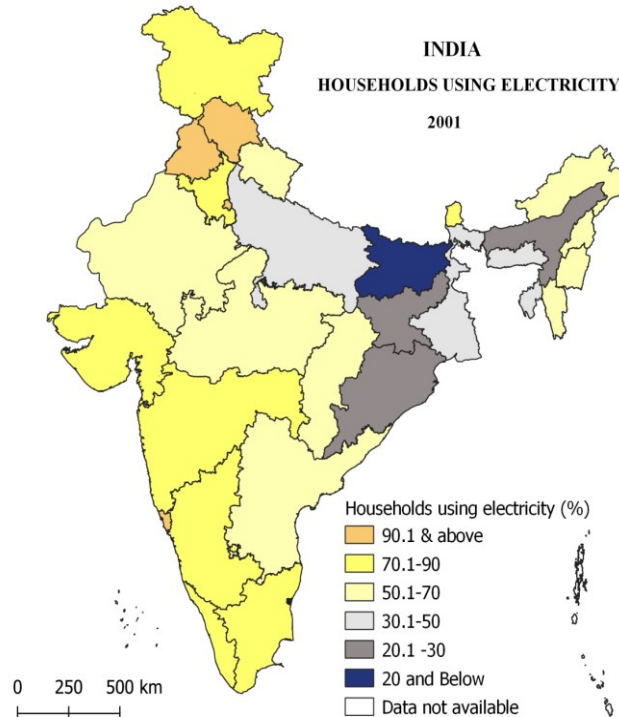
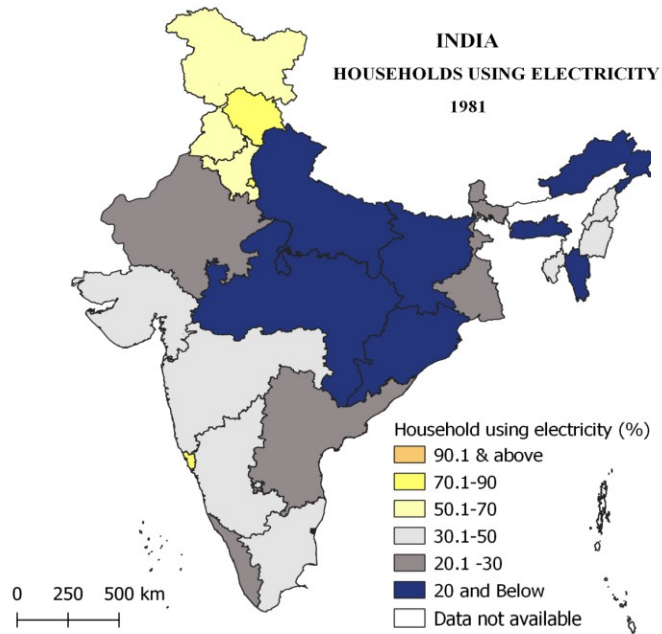
Sustainable Development Goal 7

Targets for Goal 7 by 2030



- **Ensure universal access** to affordable, reliable and **modern energy services** (7.1.1 & 7.1.2)
- **Increase substantially** the share of **renewable energy** in the global energy mix (7.2)
- **Double the global rate** of improvement in **energy efficiency** (7.3)
- **Enhance international co-operation** to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced & cleaner fossil-fuel technology, and promote investment in energy infrastructure & clean energy technology (7a)
- **Expand infrastructure and upgrade technology** for supplying modern & 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 programme of support (7b)

Household Electrification in India



Technological Options for Rural Areas



Solar Charging Stations



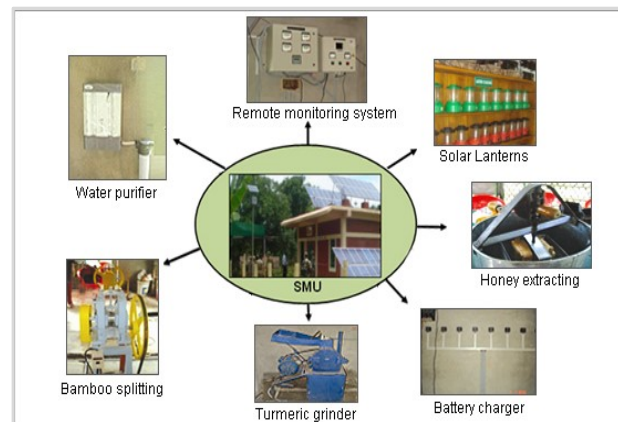
Solar Loom



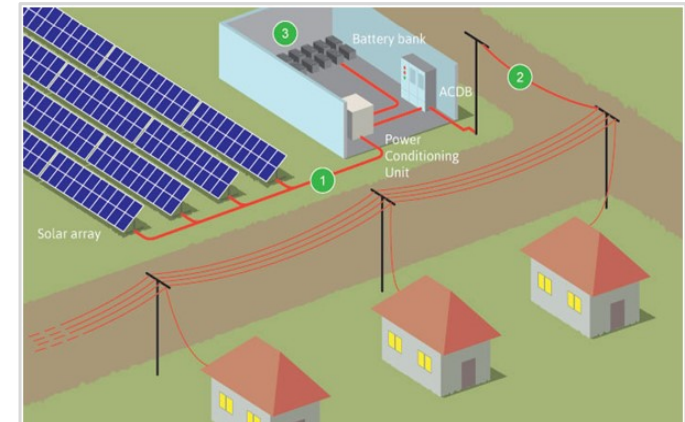
Solar AC Mini Grids



IDES



Solar Multi Utility



Solar DC Mini Grids

Cookstove Designs



Top loaded, Year 2010



Mud based, Front loaded Year 2012



Front loaded, Year 2013



Front loaded, Year 2013



Front loaded, Year 2017

Integrated Domestic Energy System



- **Integrated system** that provides a clean cooking solution in addition to a solar panel, two light points and a mobile charging facility
- The forced draft **improved cook stove** is adapted to suit the region and usage behavior and is designed to provide **4 hours of cooking time** in a day
- **Run time** – 4-5 hours
- Implementation with self help group women where **60% of the cost is being borne by the beneficiaries themselves**
- Total number of households covered – **60,000 +**

Anjora: The Light - <https://youtu.be/WNTk-Qx6Nmc>
<https://youtu.be/2AGeTNauNn8>

Thank You

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