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Answer 3 :Renewable Sources of Energy

Renewable energy systems use resources that are constantly replaced and are usually less polluting. Shifting to renewable sources can tackle the problems of pollution, achieving climate related targets, social upliftment and economic development. Renewable energy technologies will improve the efficiency and cost of energy system.

The growth of developing countries economy will be significant by 2040, with coal meeting most of its demand followed by renewable energy. Renewable has become second most significant sources of domestic power production overtaking gas and then oil by 2020.

Impact of Renewable Sources

- All energy sources have some impact on our environment. Fossil fuels coal, oil do substantially more harm than renewable energy sources.
- It also reduce the total volume release of CO_2 which in turn prevent global warming.

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• Examples of Renewable Sources of Energy

- Solar, Wind, tidal energies are the sources which are the examples of Renewable sources.
- Biofuel, garbage might contribute in cities' energy supply as a renewable source.

Hydropower

Advantages

- Emission free : Creation of hydropower does not release emission
- Reliable : hydropower by far is the most reliable source of energy.
- Adjustable : since hydropower is so reliable, hydroplants can actually adjust the flow of water

Disadvantage

- Impact on fish : To create a hydropower running water must be dammed.
- high initial cost : Hydroplant requires you to build high cost dams.
- Flood risk : when dams are built at higher elevations. They pose series of risk to any town nearby