GREEN ALERT

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The focus of Environment Information System (ENVIS) is to disseminate environmental information to decision makers, policy planners, scientists and researchers across the world.

The CERC-ENVIS Resource Partner focuses on 'Environment Literacy -Eco-labelling and Eco-friendly Products' This bi-monthly e-bulletin features latest news, developments and innovations in the field.

Energy Saving Stoves

Eco product

More than 2.5 billion people worldwide use biomass for cooking. It is one of the major contributors to carbon dioxide emission—a principle gas in global warming and climate change. Born Free Foundation in collaboration with the Eden Wildlife Trust initiated the energy saving stoves project. The goal was to save the wildlife dispersal areas around Amboseli National Park, Kenya. The study concluded that energy saving stoves saves time, fuel wood and energy and reduces carbon emissions. These stoves saved 12.7 - 33.3 % of wood fuel compared to the traditional set ups. To improve the performance of these stoves, a design modification is required and include a chimney to emit excess smoke during indoor cooking.

Source: ***https://www.scirp.org/Journal/PaperInformation.aspx?PaperID=78774***

Conserve Energy Save Nation

Green issue

The conservation and energy efficiency movements share the common goal of reducing energy consumption. But they go about achieving this goal in slightly different ways. Conservation focuses on reducing the need for energy, often by trying to alter the mindset and behavioral patterns of energy users. In contrast, the push for energy efficiency recognises that, if energy must be used, its consumption should at least be as productive as possible. Both are strategies designed to save energy and minimise the damage caused to the environment.

Energy is necessary for daily survival. Future development crucially depends on its long-term availability in increasing quantities from sources that are dependable, safe, and environmentally sound. In many countries worldwide, a lot of primary energy is wasted because of the inefficient design or running of the equipment used to convert it into the services required; though there is an encouraging growth in awareness of energy conservation and efficiency.

Energy conservation can be an empowering tool for the informed global citizen because it can start in the home by cutting down on waste. A person can easily decrease the amount of energy he or she consumes at home using common sense methods. Being reasonable with the thermostat in both winter and summer is a good first step, as is ensuring that windows, doors, and other openings to the outside are well insulated. Smart use of appliances, electronics, refrigerators, laundry machines and lights can also make a significant contribution.

Energy is not so much a single product as a mix of products and services, a mix upon which the welfare of individuals, the sustainable development of nations, and the life-supporting capabilities of the global ecosystem depend. In the past, this mix has been allowed to flow together haphazardly, the proportions dictated by short-term pressures on and short-term goals of governments, institutions, and companies. Energy is too important for its development to continue in such a random manner. A safe, environmentally sound, and economically viable energy pathway that will sustain human progress into the distant future is clearly imperative. It is also possible. But it will require new dimensions of political will and institutional cooperation to achieve it.

Source: ***http://www.globalization101.org/energy-conservation/, http://www.un-documents.net/ocf-07.htm***

Achieve 76% of the renewable energy target by 2022

Eco news

India is targeting 100 GW of solar capacity and 75 GW of wind power by 2022. India is facing a myriad of challenges in the renewables industry. Wood Mackenzie, the world's leading research and consultancy firm said in a report that improving grid flexibility through storage and flexible power generation will be extremely crucial in achieving high levels of renewable penetration. Economic competitiveness technological maturity, and financially healthy off-takers will provide a solid base for renewable capacity growth to cater to electricity demand growth. Combined wind and solar capacity have almost doubled from 2014 levels to 61 GW and also, expected non-hydro renewables to make up 13% of power generation mix by 2023.

Source: https://www.business-standard.com/article/current-affairs/india-to-achieve-76-of-renewable-energy-target-by-2022-wood-mackenzie-118101500367_1.html

Growing use of renewable energy leads to Job Growth

A report from British Petroleum (BP) Energy says that India is going to be world's greatest growth market of energy by late 2040. India heavily depends on energy sources like coal and oil to meet its power demands. The demand for energy is bound to go up. "Symbiotic to improved living standards" the report explained that the growth in energy demands would grow till a point where India's share of global demand rises to 11% in 2040 from 5% in 2016, accounting for the 'second largest share' of the BRIC countries. An increase in the usage of renewable power helps the government to create a new avenue of job creation. A structured approach will help the sector grow, while also promote the demand for renewable energy.

Source: ***https://www.peoplematters.in/article/jobs/the-growth-of-renewable-energy-sector-jobs-in-india-19367?utm_source=peoplematters&utm_medium=interstitial&utm_campaign=learnings-of-the-day***

Dusting saves energy

Eco tip

Dust your tube lights and lamps regularly; dirty tube lights and bulbs reflect less light and can absorb 50% of the light.

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Consumer Education and Research Centre

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