

Green Economy & Trade

The subject of Green Economy & Trade is vast. This article is written down on the basic introduction.

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by public & private investments that reduce carbon emissions and pollution, enhance energy and resource efficiency, & prevent the loss of biodiversity & ecosystem services.

And it can contribute to economic growth, the creation of decent jobs, social equity, & poverty reduction.

These investments need to be catalyzed & supported by targeted public expenditure, policy reforms and regulation changes. This development path should maintain, enhance and, where necessary, rebuild natural capital as a critical economic asset and a source of public benefits, especially for poor people whose livelihoods and security depend strongly on nature.

What is the 'Green' concept?

Nowadays, greater awareness is increasing in energy & environment conservation throughout the world. The concept has been widely accepted due to shortage of energy sources, uncertainties of future resources, and one of the very important factor how to control the environmental pollution & imbalance of nature; due to burning of coal, oil & other fossil fuel for power generation, transportation & industrial use etc.

Green concept is the practice of efficient use of energy, consume less water, conserve natural resources, and generate less waste.

And create spaces for healthy and comfortable living & pollution free environment, throughout a life cycle from start to end.

What is the "Green Economy"?

Practically speaking, a green economy is the one whose growth in income & employment is driven

Who initiated & When the green economy was started?

United Nation Environment Program (UNEP) - Led Green Economy Initiative, launched in late 2008, this consists of several components whose collective overall objective is to provide the analytics and policy support for investing in economic **trade** that build on and enhance the earth's natural capital or reduce ecological scarcities and environmental risks.

The UNEP Initiative includes three sets of activities for Green Economy

1. Producing a Green Economy Report and related research materials, which will analyze the macroeconomic, sustainability, and poverty reduction implications of green investment in a range of **trade**.
2. Providing advisory services on ways to move towards a green economy in specific countries.

- Engaging a wide range of research, non-governmental organizations, and business and UNEP partners in implementing the Green Economy Initiative.

The initiative will assess the **trade** such as renewable energies, clean and efficient technologies, low-carbon transport, energy-efficient buildings, improved waste management, improved freshwater provision, and sustainable agriculture, forestry, & fisheries.

Green Economy focuses on the 11 Trades

- Agriculture
- Buildings
- Cities
- Energy
- Fisheries
- Forests
- Manufacturing
- Tourism
- Transport
- Waste
- Water



WED Celebration

The lead agency of the UNEP and to coordinate events worldwide to celebrate the World Environment Day [WED] with various themes & host country of each year, 5th Jun.

In the year's 2012, Brazil was the host country for WED & theme was '**Green Economy: Does It Include you?**' reflects widespread recognition of the Green Economy as the new pathway to a low-carbon, resource-efficient, and sustainable twenty-first century.

More importantly, as Brazil, countries across the globe emerge from deep economic recession, it emphasizes the need for a Green Economy that is not just inclusive, but also addresses social equity and

dramatically improved environmental management as integral outcomes of economic growth.

What is Green Trade?

Green trade is nothing but a pollution free product & services. It is also known as Green Marketing / Green Job / Green Services / Green Project, etc.

Manufacturing for Green Product.

It's no big secret that the industry can manufacture green product with following consideration.

- ❖ Use a natural source of raw material.
- ❖ Use EE. Technology & Green energy – Solar, wind, bio gas, biomass, waste recovery, etc.
- ❖ Use less water.
- ❖ Use Eco friendly engineering / utilities / services / process for product manufacturing.
- ❖ Minimum loss of environment during product manufacturing, during installation, product use.
- ❖ To get Health benefit during use of the product.
- ❖ Product to be reused & recyclable.
- ❖ Putting the label as 'Eco Friendly Product' on product & on its packing.
- ❖ After use & the end of product, it should be naturally absorbed in an environment.
- ❖ Green product, also known as 'Eco product' or 'Eco friendly product' or 'pollution free product'

Green Building for industrial, commercial & residential project.

Green Building is the practice of creating structures & using processes that are environmentally responsible and resource-efficient throughout a building's life-cycle right from starting to design, construction, operation, maintenance, renovation and deconstruction. This building design concerns of economy, utility, durability, & create spaces for healthy and comfortable living. This is called **green building**.

Sample comparisons for green & non green products		
Product	Green production	Non green product
Building Construction	Volcanic waste / fly ash from coal	Cement & steel
Cloth	Cotton / silk / wool	Polyester / nylon / yarn / etc.
Carry bag	Cotton / paper / Jute	Plastic carry bag
Energy	Solar / wind / biogas / waste	Atomic / coal based
Furniture	Ply / wood / leather	Plastic / fiber / rexene
Food	Natural & organic based	Fertilizer / chemical processed
Ganesh idol	Shadu soil or paper mold	POP / plastic / thermo coal
Juice	Lime / Kokum / Amla / Mango / etc	Drinks – Coca cola, Limca, Thumps, etc.
Manure	Organic, Vermin	Chemical fertilizer
Mango	Naturally processed	Chemical / carpet processed.
Medicine	Herbal / Bio	Chemical / allopathic
Pesticides	Bio	Chemical pesticides
Perfume/scent	Natural / herbal extracted	Chemical & spirit based
Paint	Natural / herbal / water based	Chemical, oil based
Sandal / shoe	Leather / jute	Plastic / rexene / PU
Toys	Wood / soft cotton	Electronic / plastic / fiber
Vehicle	Solar / electric / CNG	Petrol / diesel

The following points are to be considered for overall Building Project.

- ❖ Need base selection for m/c, equipment, & other material.
- ❖ Reverse engg. with lifecycle costing.
- ❖ In addition, all systems for eff. utilization, low cost operation, min. maintenance.
- ❖ Full utilization of space for m/c, equipment, & man movement.
- ❖ Design based on local environmental condition of site & EE. technology.
- ❖ Use of Green energy / clean energy / renewable energy / non conventional energy such as Solar, Wind, Biogas, Biomass, Waste recovery, Hybrid, etc.
- ❖ Climatic control technique used in construction for thermal, cooling, & acoustic.
- ❖ Natural energy sources used for light, air circulation / cooling, heating etc.

- ❖ Landscape garden / plantation on open space, terrace, balconies etc. for reduction in hot emission around the building.
- ❖ Rain water harvesting. Recycle & reuse of water for sanitation. & garden
- ❖ Concealed drainage and sewage control systems.
- ❖ Disposal of waste, scrap, & control system.
- ❖ All this and much, much more.

Green Building is also known as:

- ◆ Eco Building,
- ◆ Environment Friendly Building,

And with the combination of:

- Energy efficient building
- Zero energy building
- Zero waste Building.

Conclusion

- By 2008, over 2.3 million people in green jobs were employed in six leading countries (China, Denmark, Germany, India, Spain, and the United States). The Green Economy is not just an environmental fad, but is one of the best solutions available for sustainable economic growth.
- Practically speaking, Green Economy is nothing but it is a pollution free products or Eco product, growth in income & employment,
- And an environmentally responsible and energy efficient resources throughout a life cycle from start to end & again end to start for manufacturing of any product & building project.
- Green technology is only solution for today & future servile.
- A Green Energy & Environment is our life ! Please do the conservation and encourage others. It is our moral responsibility.