

Advantage Of Green Building: A Review

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Abstract: Green building reduces the environmental impact of building. Green house gases have been a global issue. Green house gases mainly effect on climatic change into the atmosphere, 21country accept it is one of the greatest threat. Development of green building it is a solution of urban development energy consumption and environmental degradation has been control by the green house gases emission.

Keyword: Green Building Impact, Green House Gases, Climatic Change

I. Introduction

Green building is the Modern technology in which the natural resources are available to construction. India stand on the 144th position in rising carbon emission as it emits the 40% Co₂ yearly. Green building improves the environmental impacts by reducing energy consumption by 30-5% emission by waste 65-70% Water usage nearly by 40% green building were introduced to reduces the unwanted gases emission in which building has direct impact on the Environmental aspects and to improve the health conditions of the environments. The performance of green building is better than the conventional Building. The terms sustainability and green have gained recognition in the fields of architecture, engineering and construction industry. In green building energy costs can be reduced by 25-30%.

At the time of building Construction Water is the vital resource for the inhabitant, which will be consumed continuously during construction and operation. Many building processing and occupant produce large amount of waste. These all are polluting the surrounding environment and increasing Greenhouse Gases(GHG).

II. Literature Review

1.Ramesh S P

In his paper towards the implementation of energy efficiency of in green building Indian concept says that green building save the resources in the entire lifecycle of the structure and it start from the design. Green design has environmental, economic and social elements that benefit all stakeholders, including owners and the occupants.[1]

2. Mohd Yasir Laeeq

In his paper he Conclude that the Green Building has a direct impact on the Environmental process. Green Building accumulate huge amount of oxygen for the human being and reduce the carbon dioxide Contain. It helps to reduce the energy consumption by nearly 40% and the cost of construction is higher than the Normal Building by 15-25%. LEED is a set of rating system for the design, construction, operation and maintenance of the green Building.[2]

3.Priyanka Rajiv Parikh

In his paper Developing green building concept in India provide financial benefits that conventional building do not. These benefits include energy and water savings, reduced waste, improved indoor environmental quality, greater employee comfort/productivity, reduced employee health costs and lower operations and maintenance costs.[3]

4. Ms.Mamta

In his paper energy efficiency of green building Indian concept says that green building is expansive than the conventional building. According to green building even 20%of investments into green building will daborate 10 time more saving. The capacity of green building reduce the energy consumption. Green Building use less energy, water, natural resource and it is healthier and safer for the people.[4]

5.Kambam Gireeshma

In his paper benefits of sustainable building explain on a broader scale, design and construction of green buildings will benefit the community at large with the improvement in environment by reducing GHG(Greenhouse Gas) emissions, improving energy saving, and reducing the stress on natural resources. Green concepts and techniques in the residential sector can help address natural issues like handling of consumer waste, water efficiency, extinction of fossil fuel in nature by increase energy efficiency, conserve the natural resources. Some benefits like reduced water consumption, reduced pollution loads, increased user productivity, Enhanced image and marketability. [5]

III. Components

The Seven types of Green Building Components are as followings;

1. Elements of green building
2. Site planning and design
3. Affordable housing work best when residents have easy access to key services and community
4. Indoor Air Quality
5. Energy
6. Materials waste water
7. Commissioning

IV. Features

Some the basic features of green building are as following

1. Easy materials recovery facility(MRF).
2. Digital daylight-controlled System
3. Offensive Sensors
4. Water potential fittings
5. Low Solar heat gain coefficients of Glass(SHGC)

V. Advantages

The Basic advantage of green building are as following;

1. Maintenance and operation cost is low
2. High Energy Efficiency
3. High Quality of indoor environment
4. Quality Health
5. Water Efficiency
6. Material Efficiency

7. Reduces Strain on Local Resources
8. Preserving infrastructure

VI. Disadvantages

1. Location
2. Availability
3. No air cooling features

VII. Conclusion

Green Building is the technology which helps in sustainable development. It is the technology which help to reduce the Building impacts on the environmental as well as climatic condition. It is economical and easy to bring in practice, still it is not in practice there is need of awareness about Green Building and it important. There is various issue in the rating of green building and more scope is available. In facts It is a technology which help to controlled the rising environmental impact.

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