



## DEFORESTATION IS RESPONSIBLE FOR ENVIRONMENTAL DERADATION

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### ABSTRACT :

*Deforestation is clearing or durance of trees for the human use which leads to the decrease in the 33% of forests. As we know trees are very useful and for the greed of men. We are cutting the trees recklessly. Day by day the forest is decreasing. The forests are changing into the habit. Deforestation can be counterattacked by deforestation. Since many years the process of deforestation is decreasing but deforestation is increasing because of having many uses of the trees and forest produce.*



**KEYWORDS :** *durance of trees , greed of men , process of deforestation.*

### CAUSES:

- 1) **Urbanization:** - Due to increase in population it need more place for construction of houses roads and other infrastructure needed for the comfort of the human.
- 2) **Mining:** - If an area under forest is found with any mineral the surrounding areas of forest are also lead deforestation. Due to construction of infrastructure per mining.
- 3) **Agriculture:** - as agriculture should also be increase which comes after the deforestation of forest.
- 4) **Forest fires:** - Due to first fuels the total area of under forest is burnt which is evaluated and it loads to deforestation.
- 5) **Timber production:** - Due to increase in the demand timber required for the paper production day by day Timber requirement increases and used to deforestation.
- 6) **Industrialization:** - Due to industrialization the need for the wood increases which is used for prep of machines.
- 7) **Floods:** - Due to some natural calamities such that floods the total area gets washed which uproots the trees leading to deforestation.
- 8) **Transportation:** - for transportation or highways tracks the forest areas are dappled and also the nearby areas.
- 9) **Occupation:** - Moe population more needs more demand which requires more resources withdrawn from forest products.
- 10) **Medicinal uses :-** For preparation of some medicines resource from forestation are used for which a specific type of herbs plants are removed.

### EFFECTS:-

1. **Global warming:** - Due to less no. of trees it leads to the increase in amount of which directly leads to global warming.

2. **Green house effect** :- as we know the deforestation leads to the green house effect due to the increase in amount of
3. **One layer depletion**: - Due to the depletion of the O into G the UV radiation reach the surface of earth which are harmful.
4. **Soil erosion**: - Due to uprooted trees the soil below it becomes light and porous which resists to resin easily when acted with air and water.
5. **Loss of biodiversity**: - Due to the global warming and green house effect many species of fauna and flora are being extinct.
6. **Decrease in amount of CO<sub>2</sub>**:- Due to less no. of trees there is increase in amount of CO<sub>2</sub> and as trees are decreasing there is increase in amount of CO<sub>2</sub>.
7. **Unbalanced ecosystem**: - Due to the degradation of the forests the food chain gets breached which leads to the breakage of the ecosystem which leads to the extinction of specific species.
8. **Decrease in level of ground water** :- Due to less area of forest causes the seepage of the rainwater gets decreased and which leads to the decrease in level of ground water level.
9. **Melting of ice caps** : - Due to deforestation which leads to global warming and green house effect which increase in melting ice caps which increases the sea level and flooding of low-lying coastal areas.
10. **Climate imbalance**: - Due to deforestation it leads to the imbalance of the climate and the weather changes in an area due to indirect effects and direct effects such as more period of summer rather rainy.

#### PREVENTIVE MEASURES:-

1. **Spreading awareness**: - By spreading awareness we can let know people the usage of forest and the need of the forestation.
2. **One man one sapling**: - Everyone should plant saplings and take care of it until it changes into the trees.
3. **3-R principle :- (Reduce, Reuse, Recycle)**  
We should use the materials prepared from the trees or forests for Reduce, Reuse, and Recycle so that be trees cut.
4. **Crop rotation**: - By crop rotation we should use crop rotation by using some piece of land by for growing two crops a year this saves land demand makes land more fertile.
5. **Deforestation**: - By increasing the amount of land under forest cover we can counter attack the effect of the deforestation.
6. **Role of NGO's and forest dept**: - it should take care while giving the licenses for cutting the whole forests by making the companies to plant saplings instead of in place of cutting trees.
7. **Less uses of firewood**: - By reducing the usage of firewood we can let the amount of forests shouldn't be decrease so recklessly.
8. **Use less paper**: - As many tones of trees are cut for the usage of paper production of paper. We should take care to use less paper to decrease deforestation.
9. **Van Mahotsav** :- By deforestation such events with full aware it leads to the increase in the no. of trees and the area under forest cover.
10. Using cloth bags and reusable products so that we can use a thing many times leads to less amount of deforestation.

Hence deforestation is a major problem not only in India but many countries which should be checked immediately to prevent loss much less of wealth.

Deforestation is a contributor to global warming and is often cited as one of the major causes of the enhanced green house effect. Tropical deforestation is responsible for approximately 20% of world green houses gas emissions. According to the intergovernmental panel on climate change. Deforestation, mainly in tropical areas, could account for up to one-third of total anthropogenic carbon dioxide emissions. But recent calculations suggest carbon dioxide emissions from deforestation and forest degradation contribute about 12% of total CO<sub>2</sub> emissions with a range from 6 to 17%.

“Destroying forests for Economic Development is like burning a renaissance painting to cook food”

### **Bu Prince Charles.**

This is a famous quote by a famous environmentalist gives a crystal clear idea about the current scenario of society and environment.

Deforestation is an act of cutting of forests and trees for the greed of individuals and for the development of economy.

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According to the intergovernmental panel on climatic change deforestation mainly in tropical areas would account for one third of the CO<sub>2</sub> emissions around the world. But recent calculations suggest that around 12% of the CO<sub>2</sub> is due to deforestation.

Deforestation is major for the loss of habitat of animals and plays a major role in altering geographical and topographical structure of ecosystem.

Deforestation is the main reason due to which the CO<sub>2</sub> accumulated in the atmosphere is not letting the radiations to go out.

These radiations make the earth warm eventually rising the mean temperature of the earth.

There are traces where deforestation is used to win wars. One such example by British army in Malaya during Malaysian emergency.

### **CAUSES**

- i) The main reason for deforestation is industrialization.
- ii) Reason for deforestation is urbanization due to which people cut trees for building shelters.
- iii) Illegal logging activities are very common that destroy the forests eventually destroying habitat of animals.
- iv) The conversion of forests to agricultural land is a big reason for deforestation.
- v) Mining, which helps the state in gaining some income, is also one of the major reasons why deforestation is done in India.
- vi) Timber production is a major cause for deforestation due to increase demand for timber.
- vii) Natural calamities like floods, cyclones, forest fires. Forest are being sweeper out.
- viii) Though there are many reason man's greed is the ultimate reason.
- ix) Due to increased modernization, westernization there is an increase in rate of cutting of forests.
- x) Population explosion also plays a vital role in deforestation.
- xi) Furniture's, rubber production, paper production causes deforestation.
- xii) Pharmaceuticals and chemical industries and machinery industries evolution has increased the rate of deforestation.
- xiii) Lack of awareness about trees, forests is also one of the major causes resulting in deforestation.

### **Effects**

Greenhouse emissions such as gases like methane, CO<sub>2</sub> and release oxygen & eventually deforestation leads to increase in global warming.

Deforestation causes extinction of many natural species.

Major effect of deforestation is that it differs the climatic conditions.

Desertification is also a major effect of deforestation.

Soil erosion which is the removal of top soil is caused due to extensive cutting trees.

Between 2000 & 2012 around 2.3 square million kms of forests have been destroyed. As a result of deforestation for the sake of development biodiversity.

Biodiversity losses have been seen which include extinction & endangered species. We lose about 50-100 species of animal each day due to destruction of habitats. Both the decay and burning of wood releases much of the carbon content back into the atmosphere. In deforested areas land heats up faster and reaches a higher temperature leading to localized upward notions causing the rainfall only at that place. According to Geophysical fluid dynamics laboratory the models used to investigate sure a milled increase in temperature across the areas being defrosted. It affects wind flows water vapor flows and absorption of solar energy thus clearly influencing local & global climate.

### MOVEMENTS & SOLUTIONS

1. Chipko Movement (1973) :- Chipko Movement in Garhwal Himalayas led by Chandni Prasad Bhatt and Sundarlal Bahugan saw the debate on environment move from just deforestation to larger issues of environmental depletion.
2. Jungle Bachao Andolan (1980) :- Began in Bihar and later spread to states like Jharkhand & Orissa was a protest against govt. who decided to replace natural salt forest.
3. Silent valley movement which is to stop a Hydroelectric project in order to stop deforestation around the project is also one of the movement against deforestation.
4. The main solution to prevent deforestation is to remove the lax forest management and its laws which should be replaced by strict laws and punishments for those who offended the laws.
5. Try to grow the principle "when you cut a tree plant a tree"
6. Encourage sustainable wood subsidies so that we need less wood also deforestation will be less.
7. Prohibit logging in major forest areas.

### CONCLUSION AND OUR SOLUTIONS TO THE PROBLEM

1. Herby we conclude that forests are our life.
2. When you destroy them we eventually are destroying ourselves.
3. We should avoid over westernization which is causing our motherland so much harm.
4. One who wants his future generations to enjoy the commodities & pleasures of nature he should balance the ecosystem and prevent deforestation.
5. In order to save the environment we should try to control the population thereby decreasing the greed of humans.
6. We should recycle papers to protect trees.
7. Reusing broken furniture's for burning fuel should be done.
8. Government should formulate proper laws to protect the tribal people living in the forests.
9. The habitat of animals and tribals can be protected by creating artificial forests.
10. Government should create certification program like forest stewardship council can help to promote sustainable products.
11. Maximise current land production which results in clearing of forest lands for new lands.
12. We should support the creation of plantation forests because it provides a higher yield per acre of wood products than a natural forest can provide.
13. Plantation forests also have the potential to be sustainable assuming that they are planted on disturbed land instead of clearing a natural forest to plant new trees.

**At last we would like to say that  
" Vrukshvalli Amha Soyare Vanachare "**

This is a Marathi quote by Sant Tukaram which tells about the importance of trees and forests in our life.

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