

PROJECT WORK

ON ENVIRONMENTAL SCIENCE

TOPIC: FOREST CONSERVATION
(SHAMATOR AREAS)

Submitted to
Smti. Medareso Genovive Thato
Department of Environmental
Science

Submitted by
NAME: Tsulunkhuing . H
Roll No: 63
Section: D
B.A. 5th Semesteh

Submitted on
30th Sep 2021

CONTENTS

1. Abstract Page - 1 to 2
2. Introduction Page - 3
3. Benefits of forests Page - 4 to 5
4. Effects of Deforestation Page - 5 to 6
5. Solution for Deforestation Page - 6 to 7
6. Ways to conserve the forest Page - 7 to 9
7. The importance of forests cannot be underestimate Page - 10
8. Forest Conservation under Shramatari areas (conclusion) Page 11 to 13
9. Reference Page 14.



Abstract.

Forest Conservation is the practice of planting and maintaining forested areas for the benefit and sustainability of future generations. The conservation of forest also stands and aims at the quick shift in the composition of trees species and its distribution. Forest Conservation involves the upkeep of the natural resources within a forest that are beneficial to both humans and the environment.

Forests are vital for human life because they provide a diverse range of resources.

They store carbon and act as carbon sink, produce oxygen which is vital for existence of life on the earth. As they are highly called as earth lungs, help in regulating hydrological cycle, planetary climate, purify water, provide wild life habitat, reduce global warming, absorb toxic gases and noise. They reduce

Pollution, cannerie, toilet etc.

But now-a-days, forest cover is depleting rapidly due to many reasons such as an expansion of agriculture - timber plantation, other use land uses like pulp and paper plantations, urbanization, construction of roads, industries, constitutes the biggest and severe threat to the forest causing serious environmental damage. Thus, there is need of public awareness.

INTRODUCTION

A forest referred to as a woods, it is an area with a high density of trees. Forests vary significantly in size and have different classifications according to how and what the forest is composed. These forests cover approximately 7.4 percent of Earth's surface, though they cover much more. They function as habitats for organisms, hydrologic flow moderators and soil conservers, constituting one of the most important aspects of the biosphere.

Thus, there is need of conservation of forests because they are home to 80% of life on earth. Forests are the heroes keeping our planet healthy, and us alive.

Benefits of forests

Forests are central to all human life because they provide a diverse range of resources and multiple benefits. These are:

- a) Forests lower the air temperature by releasing water vapour into air.
- b) At day time trees generate oxygen and carbon dioxide, which helps to clean air.
- c) Forests attract wild life and offered food and protection to them.
- d) Forests offer privacy. Reduce light reflection, offer a sound barrier and help to guide a wind direction and speed.
- e) Trees offer artistic functions such as creating a background, to framing a view, complementing architecture, and so on.

PLANT TREES
GET
FRESH
AIR



- f.) Well managed forests supply highest quality water with less impurity than water from other resources.
- g.) Forests help in keeping environment healthy and beautiful. Forest also minimize noise pollution.
- h.) They store carbon, aid in regulating the planetary climate, purify water and mitigate natural hazards such as floods and landslides. Forests also contain roughly 90 percent of the world's terrestrial biodiversity.

Effects of Deforestation:

The effects of deforestation are long lasting and devastating. Entire species of insects and animals have disappeared because

of the destruction of their habitats. Deforestation can cause catastrophic flooding as well. Scientists see that deforestation has a significant effect on climate change or global warming. The tropical forests and the species of plants and animals within them are disappearing at an alarming rate.

Solution for Deforestation:

Solution to the loss of forests include management of woodland resources by local communities and forest dwelling populations. Efforts by various forest conservation organizations dedicated to their preservation and the restoration of forest goods and services for the benefit of people and planet. The regulators

of carbon dioxide emission to reduce global warming, in addition to government support and protective environmental policies are also crucial to reverse the decline of our forests and woodlands.

Ways to Conserve the Forest.

1) Controlled Deforestation.

While deforestation cannot be avoided completely, we must look to control it. Young and immature trees should not be felled as far as possible. We must look to avoid large scale commercial deforestation as well. Adapting practices such as clear-cutting or selective cutting will be beneficial in the long run.

ii) Protect against Forest Fires.

Forest fires are the most common and deadly cause of loss of forests. They can start due to natural causes or can be accidents caused by man or even intentional in some cases. Once a fire spreads in a forest it is very difficult to control. Precaution must be taken for such incidents. Making fire lanes, spreading chemicals to control fire, clearing out dry leaves and trees etc.

iii) Afforestation.

This is the process by which we plant more trees in the area. We try to increase the forest cover by natural transplantation, or fresh plantation of trees. It is an attempt to balance our ecosystem.

To reduce the effects of desertification and environmental pollutions of all types.

iv) Better Farming Practices:

Slash and burn farming, overgrazing by cattle, shifting agriculture are all farming practices that are harmful to the environment and particularly to forests. We must keep all these practices under control.

vi) Acts for Forest Conservation:

The Forest Conservation Act 1980 was enacted to help conserve the country's forests. It strictly restricts and regulates the diversion of forests or use of forest land for non-forest purposes without the prior approval of Central Government. To the this end the act lays down the pre-requisites for the diversion of forest land for non-forest purposes.

The Importance of Forests Cannot be

Underestimated.

We depend on forests for our survival. From the air we breathe to the wood we use.

Besides providing habitats for animals and

livelihoods for humans, forests also offer

watershed protection, prevent soil erosion

and mitigate climate change. Forest

products are a vital part of our

daily lives in more ways than we

can imagine. Over 2 billion people rely

on forests. Forests provide us with shelter,

livelihoods, water, food and fuel security.

All these activities directly or indirectly

involve forests.



Forest Conservation Under Shomaton areas

The forest conservation within Shomaton areas which is under Tuensang district is somehow acceptable. Though there is no massive reserved forest areas yet there are several forests which are being reserved by the different villages in order to maintain biodiversity. They make rules and regulation within their own jurisdiction. Hunting is also prohibited in some areas.

With regard to cultivation, cutting down of forest is inevitable because almost all the people depends on agriculture. However, one interesting fact is that they cultivate only for one to two years in a particular area and they will shift to other areas in order to maintain the fertility of the soil so as to plant trees.

While talking about forest conservation individual are playing a vital role by planting trees or looking after the forest because most of the areas are owned by the individual rather than the local government.

However due to lack of streng on the ineffective laws, hunting of animals still exist or may be due to the lack of education or the ignorance of the people.

Therefore, educated people should spread awareness regarding the forest conservation. So as to stop hunting of birds and animals because our lives depends on one another.

Hence, to conclude, individual as well as governments can do their part in protecting the forests of the world.

Knowledge about the importance of forest need to be spread so that people become aware of the danger to everyone and everything on the earth by deforestation. People's participation in the conservation of forests is of vital importance. So we must involved in this national task.

Reference:

<https://www.sciencedirect.com>

<https://www.toppn.com>

Self observation.