Expt. No.

Page No. 1
Date

RANIGANJ GIRL'S COLLEGE

ENVIRONMENTAL STUDIES PROJECT.

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SUBJECT => EVS PROJECT

(ENVIRONMENTAL STUDIES) (2021-2022)

OXFORD

Teacher's Signature .....

Raniganj Girls' College

Course Name: Environment Studies

Course Code: AEE101

Topic of the project: Different aspects of Air, Soil, Water, Noise pollution

A Project Report

Submitted by Semester-I students (Academic Year 2021-22)

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CERTIFICATE

This is to certify that this project titled "Different aspects of Air, Soil, Water, Noise pollution" submitted by the students for the award of degree of B.A. Honours/ Program is a bonafide record of work carried out under my guidance and supervision.

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Place: Raniganj

Date: 18.03.2022

Jishin Subhra Ghosh

Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department

ACKNOWLEDGEMENT

I would like to my Spical thank of of gratitude to my teacher Tuhin Subbora ghos who gave me the golden opportunity to do this wonderfull Project of ENVIRONMENTAL STUDIS on green muffler who also helped me in completing my project I came to know about So many new thing I am really thankful to thom
Secondly i would also like to thank my parents and foriend who helped me a lot in a finalizing this project whitin limited time foram

Sneha kumari Shaw

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TOPIC

GREEN MUFFLER

INTRODUCTION

Shika Goyal · Green muffler is a technique of reducing noise pollution by planting 4-6 rows around the populated areas or noisy places like along roadsides industrial areas. Societies near highways etc. So that dense trees reduce noise pollution as they filter out the noise and abstract it reaching the citizens.

(Green Muffler)

:- INDEX -:

Green muffler Scheme
↳ Green belt vegetation

→ under this Sauce of trees shumbs grow

Maintains
↓
noise pollution X.

Trees + Shsubs → absab Sound + air pollution Seduce

green muffler → plant → along roads & rails →

Sound absab + pollutants → X.

Green muffler -:

Green muffler is a technique of reducing noise pollution by planting 4-6 rows around the populated areas or noisy places like along roadsides. industrial areas. Societies near highways etc. So that dense trees reduce noise pollution as they filter out the noise and obstruct it reaching the citizens.

Green muffler Scheme -:

Under this Scheme Ashoka and neem plants are planted near the house or resident localities to reduce pollution.

Do you know why trees are known as noise buffers?

They control noise pollution even urban noises are muffled by trees just like stone walls. An advantage of using plants as noise blockers is that they absorb Sound best in the high frequencies that people find it annoying Evergreen Shrubs that too with broader leaves provide year round noise protection So they are best to plant.

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plant Trees absorb waves with their branches and foliage. plant trees with no Space or less Space to reduce noise pollution.

In fact Soft ground is an efficient noise absorber So avoid hard Sufaces to plant trees Also. Cultvate the ground before planting and adding organic matter to the Surface of the Soil may also help to reduce noise when vegentation will be established According to usda national Agro forestory Center a property designed buffer of trees and Shrubs can reduce noise by about 10 decibels or about 50% as perceived by the human ear.

Source - in most internal combustion engines mufflers are installed within the exhaust System it is designed in Such a way to reduce the loudness of the Sound pressure. which was created by the engine by of acoustic quieting most of the Sound pressure. which is produced by the engine is emanating out of the vehicle by using the Same pi ping as used by the Silent exhaust gasses absorbed by a Series of passages and the chambers lined with roving fibreglass

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insulation or resonating chambers harmonically tuned to cause destructive interference wherein opposite Sound waves cancel each other out. And So the technique to control noise is known as muffler in an engine and to control noise pollution with the help of planting trees is green muffler

Green muffler is a technique of reducing noise pollution by planting 4-6 rows around the populated areas or noisy places like along roadsides. industrial areas. Societies near highways etc. So that dense. trees reduce noise pollution as they filter out the noise and obstruct it reaching the citizens.

And green muffler is also a device for decreasing the amount of noise emitted by the exhaust of an internal combustion engine.

under this scheme Ashoka and neem plants are planted near the house or resident localities to reduce noise pollution.

Do you know why trees are known as noises buffers?

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The cabinent Committee ecomomic Afaiors has aporoved as parposal of the minestory of environment and fouresst for a namtionl misson four a gureen India (GIM) as a Centorally Sponoured Scheme which is

envisaged in 12th plan To abjective of the misson inculeds increase fourest or turee cover improves quality of the fourest improve ecosytem Services like abiodiverisity hydrological Services incrase fourest based clivelihood income of households in and aroumd the fourest etc.