

Environment Pollution

Environment Pollution : Man's impact on the environment has resulted in pollution of environment. Pollution affect not only air, water & land but also the organisms in biosphere. The natural ecosystem has the capacity to decompose dead organisms. When harmful substance contaminate the environment in large quantities, the ecosystem is unable to absorb them & they accumulate in the system resulting in degradation of environment. Pollution can also cause death. Pollution has become pollution very acute problem for all of us.

Project Report Effects of Environment Pollution on Earth

In metropolitan cities, we find pollution in every hook & corner. It result in adverse effect on the human being. Delhi comes on the second rank as far as pollution is concerned. We should take steps to check it. In the diagram one can see pollution driver is using the horn at the top most pitch. The vehial is emitted smoke which is disturbing ailment on the other side one can see trees. They have grown to absorb dust, smoke & other poisonous gases in the atmosphere. The trees help us in saving our precious lives. We must check the pollution by using horns at low pitch & smoke free petrol. It is the need of us to plant more & more trees for absorbing the harmful gases. This will help in controlling the pollution.

WATER POLLUTION

Water pollution takes place when effluents from factories are lots in to the river. Paper mills, sugar mill tannery lot in effluents in rivers or allow them to stagnate on land. These effluents seep through or pollute under groundwater effluents from large no of tanneries in North Ascot district in Tamil Nadu have polluted well water in a large no of villages.

SOURCES OF WATER POLLUTION

The most widespread source of water pollution is disposal of sewage of Urban centers into rivers. The Ganga, Yammuna are polluted water affected organic live river & water born diseases like typhoid affect human pollution.

The water drawing from the field is enter rivers & lake and pollutes them enrichment of water by nutrient results in entrophozation of lakes this results in excessive growth of algae & depletion of dissolved oxygen aquatic organisms including fish cannot survive under such conditions.

Ocean water are polluted by discharge of sewage from cities located along the coast, effluent from factories along the coast & discharge of sewage from cities located along the coast & discharge from polluted rivers. Eutrophication of coastal marshes & swamps also effect mariain life. In the open ocean oil spills from tankers has adverse effect on Marian life. Such oil spills cause pollution over wide areas owing to spread of oil by waves & currents.

Water is every thing for human being without water human being cannot survive our is polluted in many ways.

E.g.:- The waste of material of factories when thrown to rivers pollutes water. Some people use rivers to wash their cloths & to take bath.

Water is indispensable for our life. About 2/3 of earth is water. No organisms can survive without water. So keeping water free from any pollutant is very important. Water is said to be "polluted" when it is changed in its quality & composition directly or indirectly by human activity so that it becomes less suitable for drinking, domestic or any other purpose. Polluted water transmits a large no. of diseases in man.

They are cholera, typhoid & other viral diseases.

Causes:- The river, ponds, lakes & seawater is polluted with variety of liquid & solid wastes. These are due to population explosion, industrialisation & nuclear water atomic explosion.

Sewage from washing, kitchen, urine etc is thrown into rivers from cities located on the bank. The water taken from such rivers for drinking purpose is to be chlorinated before it is used.

Minerals & organic wastes carried to lake, river & sea from agricultural fields with nitrogen & phosphate fertilizer. The waste becomes deoxygenated & toxic, so this cannot support aquatic life.

The large contributors to water pollution are no. of industrial wastes. Industrial waste includes mercury from paper industry & combustion of fossil fuels.

Lead is released from lead bearing metals. Copper & zinc are also released as industrial wastes. They act as food contaminants.

Liquid radioactive waste released into sea from nuclear installations.

Radioactive tests are performed on high seas. The current of sea carries the contaminates all over there by polluting the water. These molecules get into aquatic animals. Fish consume these nuclear contaminants & then fish cannot be consumed by man.

Control of water pollution

- 1. Rapid biodegradable substitutes for pesticides should be employed.*
- 2. Restricted application of DDT for malaria control programmes.*
- 3. Recycling of waste products as far as possible should be done.*
- 4. Recently a national programme is undertaken by central government to clean the river Ganga & keep it pollution.*

LAND POLLUTION

The fourth kind of pollution is the Land pollution. As time changes the population has increase. It has resulted in the over exploitation of the resources. Land is one of the reasons, which is indiscriminately being erased due to the increased population. A man who earlier didn't know how to grow, use to room place to place in search of food has now become the super power. The land which used to serve him as a mother is now being polluted by man him self. The various causes for the land pollution are: -

- **New agricultural techniques:** -

There was a high demand to increase the production. But it was impossible to stretch the land. The pressure on the land- went on increasing day by day. There gave rise to the use of chemical fertility. This chemical fertilizer more or less increases the production but in turn it gave rise to the land pollution can be easily understood by an example. They're chemical fertilizer alter the chemistry of soil depending the upon its nature. E.g.:-

The use of sodium nitrate fertilizer in the same soil again increases alkalinity of the soil & makes it alkaline. It contains sodium ions & nitrate ions. Nitrate part sodium ions goes on collecting in the soil of form sodium hydroxide,

NaOH (sodium hydroxide) is an alkali & makes the soil alkaline.

• **Use of particles & polymer:-**

The use of plastic & polymer has increased soil pollution. We use polybags & plastics day by day life. Infact these products has become a part of our life.

But do we know that these products are polluting our land. These products are known as biodegradable & can't be reduced to simpler once. So their excessive use in the life will produce land pollution because these products do not become the part of our soil but remains in it forever & pollute the land.

• **Industrial wastes:-**

Industrial waste contains chemicals & these chemicals contribute a lot in the land pollution. Infact it is a major factor promoting land pollution.

PROJECT REPORT ON AIR POLLUTION

The main reason of Air Pollution is burning of fossils fuels in large quantities accent decades has resulted in gradual increase in carbon dioxide content in the atmosphere. It is estimated that content of carbon dioxide has increased by 25% during the last 100 years. Carbon dioxide allows in solution to pass through but absorbs out going terrestrial radiation increase of Carbon dioxide in the atmosphere has the effect of increasing the temp of atmosphere. It is estimated that global main temp has increased bet 0.3 degree - 0.7 degree celsius in the last 100 years. Trees carbon dioxide

content is also attributed to large-scale deforestation. Trees absorb carbon dioxide accumulated in the atmosphere.

Burning of coal & oil also add sulphur to the atmosphere. Lead, Co & nitrogen oxide on adding to the atmosphere from automobile

exhaust. Inhalation of automobile exhaust causes nasal irritation & respiratory diseases. These gases are also responsible for causing acid rain in industrial region of Europe & North America. Acid rain affects aquatic ecosystem as water. So polluted cannot support fish other life forms. Lakes in Sweden, Norway, Canada & U.S are affected by acidification. Acid rain also damages forests to great extent. Growth of trees is affected. About ten million hectares of forests are damaged in Europe.

The ozone layer is affected by exhausts from jet aircraft. CFC (chloro fluoro carbon) is a stable compound used in aerosol propellants in sprayers refrigeration's & for depletion of ozone layer to the extent of 3%-4%. In the last 100 years the ozone in the higher atmosphere serves as shield protecting the earth from harmful ultraviolet radiation enters the earth surface & may cause skin cancer.



Gaseous effluents from factories pollute the atmosphere. Smoke, dust & particles of carbon, lead etc enter the atmosphere on coal night when bag occurs these particles remain suspended in the air. This condition is called smog. The smog over London in 1952 resulted in the death of about 4000 persons by suffocation. Accident moving escape of poisonous gases from industries cause illness & death. The escape of poisonous gas from pesticides plant in Bhopal in 1984 resulted in the death of 1000 person. The accident at Chernobyl atomic power plant in the former soviet union in 1986 caused intensive damage owing to leakage of radioactive material to the atmosphere.

Global Problem - Air Pollution

Air pollution is global significance unlike water or land pollution. Which are of local or regional effects air pollution transfers the pollutants to water & land or oceans as pollution result of rainfall Air pollution affects plants & animals as well as human being. In urban environment, pollution of air from automobiles exhausts is so high that people wear facemask to protect themselves. The major component of the biosphere is air without which no life can live, without air pure quality; here can be no healthy life. Clean air is pollution rare thing now a day especially in metropolitan cities. Air pollution differs from industrial less perennial during working hours and they can drift high or low & in any direction depending on the wind & weather. Air pollution spreads & has wide impact than other form of pollution. If water is polluted, one can avoid drinking or may drink it purification. But cannot avoid breathing polluted air. This kind of air contain solid & liquid particles such as dust, carbon, hydro-carbon etc which are electrically charged & thus kept in suspension by electrostatic forces. It may also contain gases, which are poisonous in nature Sulphur dioxide, CO, nitrogen, hydrogen vaporous & other substances this most harmful element in benzopyrene.

Air pollution may rise due to domestic fire, which is needed for cooking & heating it is a weak & inevitable source of air pollution. Air pollution is caused by vehicles & other combustion engine with constant increase in transportation, the problem of air pollution have become very acute course we have less vehicle then the west yet pollution level is almost the same. This is mainly because of the poor maintenance of vehicles emitting out poisonous smoke & the absence of any effective deterrent to play such vehicles on the roads. Industry is also the main source & it covers all type of unit, which consume energy in any form. It includes coal, oil, natural gas, electricity or nuclear fission. Dark smoke of industries pollutes the air very much. Thermal power plant also pollutes the air very much. This cause respiratory disease like tuberculosis.

It is to be noted that air pollution adversely affects our health as well as ecology. It is a reality that people living in polluted areas are suffering from certain diseases i.e. lung cancer etc. than the people living in fresh air.

Important Keywords in Project : Project Report on Air Pollution, Air Pollution Control, Air Pollution, Control of Air Pollution

Noise Pollution

This project Report is about Noise Pollution. Like other pollutants noise lacks visibility, seldom registering on the consciousness except as a trifling irritant to be dismissed at will and therefore less likely to be perceived as a threat. Available data indicates that noise does pose a threat to health & is known to have caused a no. of complication. Declining productivity among workers in certain industries has been directly correlated with noise level, particularly those under constant exposure to the menace.

IMPACT OF NOISE POLLUTION ON HEALTH

The first ever survey of the impact of noise on health, conducted by the all - Indian industries of medical science has established that noise not only

impairs the physical & physiological functioning of the human organisms but also causes vomiting, pain, hypertension & a lot of other cardio-vascular complaints. Experiments with animals elsewhere have shown that certain intensities of noise causes convulsions & even death.

Besides affective health noise is also a significant factor in economic losses.

According to proofing glaring an international expert on sound, "The potential cost of noise inducted hearing loss of industry is greater than for any occupation disease." In the United States alone noise reported causes losses running into million of dollars daily affecting larger segments of population.

A study by postgraduate school of basic medical science, in moderns confirms such conclusion. In 50% of industries it was found that workmen exposed to higher intensities of noise in occupation capacities were often irritated, short-tempered & impatient & more likely to resort to agitation & disrupt production.

This was true of unit in heavy industrial pockets in & around the 4 metropolitan centers. Sound is measured in units called decibels (dB) in honour of

Alexander Graham Bell, the inventor of the telephone. A higher dB indicates to a higher level of sound on this scale a whisper is equal to 20dB, normal speech ranges bet. 30dB-50dB, vehicle engine peak at 90dB while revving up.

A jet engine roars 150dB. Uninterrupted exposure to noise above 80dB is harmful. At 90dB the upper tolerance limit prescribe by International stander

union the effect become more pronounced 8 hours daily exposure causes life long deafness. At 93dB, tolerance level drops to 4 hours & the 2 hours at

96dB.

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